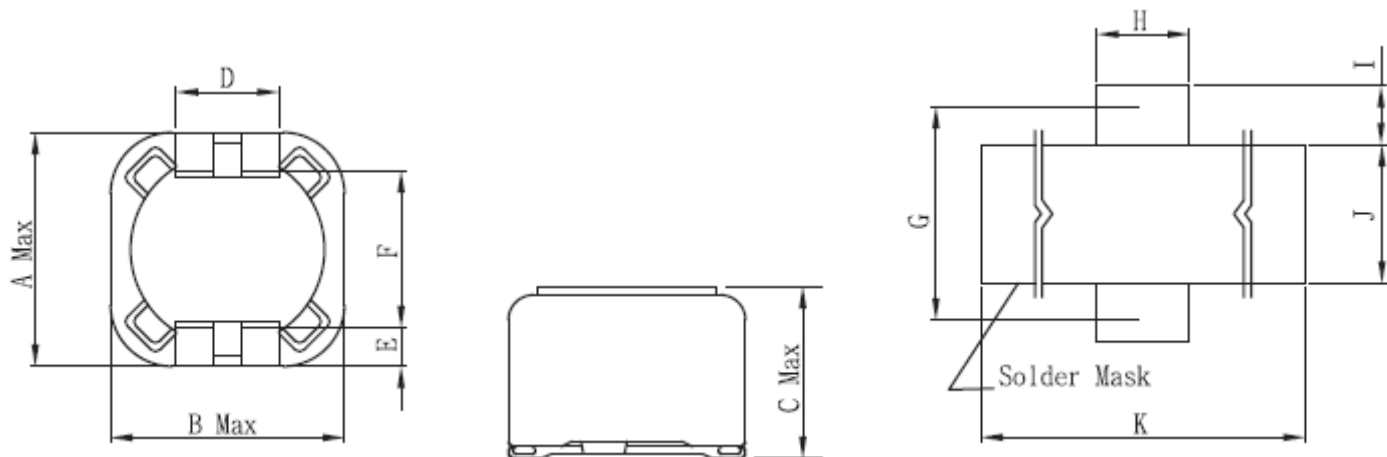


## Assembly Inductors SPI Series

**Product Range**

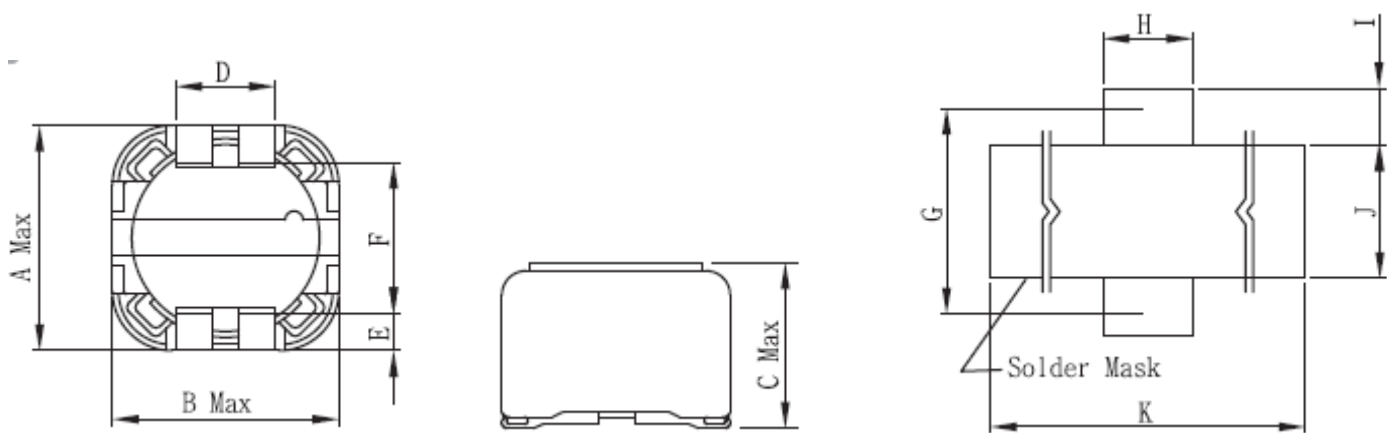
| DARFON Item | Dimensions     | Inductance range |       |      |       |     |       |
|-------------|----------------|------------------|-------|------|-------|-----|-------|
|             | (mm) max       | 0.1uH            | 1uH   | 10uH | 100uH | 1mH |       |
| SPIRI73     | 7.5*7.5*3.5    |                  |       | 10uH |       |     | 1mH   |
| SPIRI74     | 7.5*7.5*4.5    |                  |       | 10uH |       |     | 1mH   |
| SPIRI124    | 12.5*12.5*4.5  |                  | 3.9uH |      |       |     | 330uH |
| SPIRI125    | 12.5*12.5*6.2  |                  |       | 10uH |       |     | 1mH   |
| SPIRI127    | 12.5*12.5*8.0  |                  | 2.4uH |      |       |     | 47uH  |
| SPIRR6025   | 6.2*6.2*2.7    |                  | 4.7uH |      |       |     | 100uH |
| SPIRR6028   | 6.2*6.2*3.0    |                  | 4.7uH |      |       |     | 100uH |
| SPIRR7028   | 7.2*7.2*3.0    |                  | 3.3uH |      |       |     | 47uH  |
| SPIRR7032   | 7.2*7.2*3.4    |                  | 3.3uH |      |       |     | 1mH   |
| SPIRR7045   | 7.2*7.2*4.8    |                  | 3.3uH |      |       |     | 1mH   |
| SPIRR1045   | 10.4*10.4*4.8  |                  |       | 10uH |       |     | 1.5m  |
| SPIRR1255   | 12.8*12.8*5.8  |                  | 6.0uH |      |       |     | 1.5mH |
| SPIRR1265   | 12.8*12.8*6.85 |                  | 2.0uH |      |       |     | 220uH |
| SPIRR1275   | 12.8*12.8*7.85 |                  | 1.2uH |      |       |     | 220uH |
| SPIRH3D16   | 4.3*4.3*2.0    |                  | 1.5uH |      |       |     | 33uH  |
| SPIRH4D18   | 5.2*5.2*2.0    |                  | 1.0uH |      |       |     | 39uH  |
| SPIRH4D28   | 5.2*5.2*3.0    |                  | 1.2uH |      |       |     | 180uH |
| SPIRH5D18   | 6.2*6.2*2.1    |                  | 4.1uH |      |       |     | 100uH |
| SPIRH5D28   | 6.2*6.2*3.0    |                  | 2.6uH |      |       |     | 100uH |
| SPIRH6D18   | 7.1*7.1*1.9    |                  | 3.3uH |      |       |     | 10uH  |
| SPIRH6D28   | 7.2*7.2*3.0    |                  | 3.0uH |      |       |     | 100uH |
| SPIRH6D38   | 7.2*7.2*4.0    |                  | 3.3uH |      |       |     | 100uH |
| SPIRH103R   | 10.3*10.5*3.1  |                  | 0.8uH |      |       |     | 470uH |
| SPIRH104R   | 10.3*10.5*4.0  |                  | 1.5uH |      |       |     | 330uH |
| SPIRD0715   | 7.1*7.1*1.5    |                  | 3.3uH |      |       |     | 47uH  |
| SPIRD0728   | 7.5*7.5*2.8    |                  | 2.2uH |      |       |     | 68uH  |
| SPIRD1015   | 10.3*10.3*1.5  |                  | 2.7uH |      |       |     | 47uH  |
| SPIRD1024   | 10.3*10.3*2.5  |                  | 3.9uH |      |       |     | 33uH  |

■ Standard External Dimensions



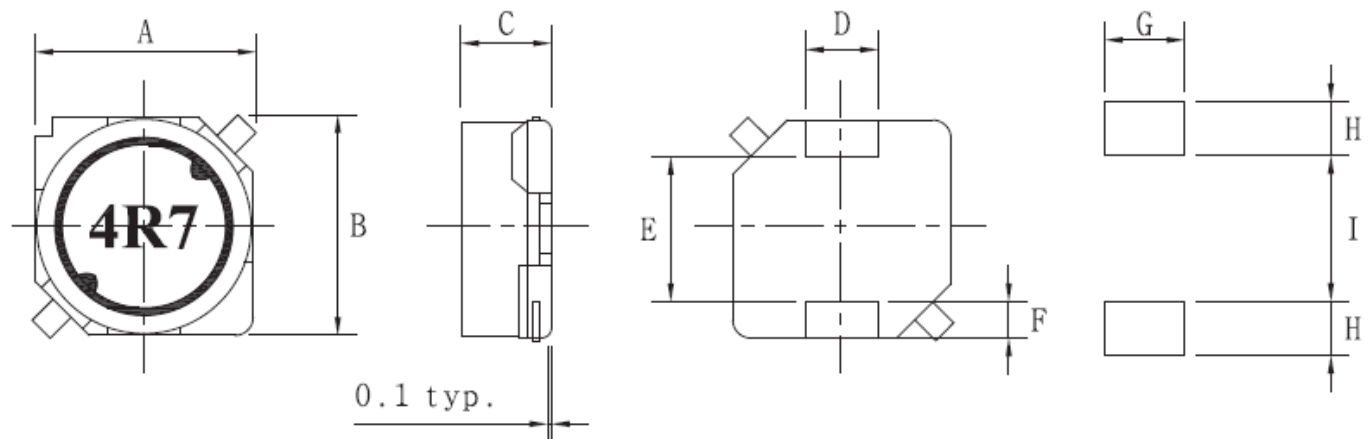
Unit: Inch / mm

| Part No | A                     | B                     | C                     | D             | E             | F             | G             | H             | I             | J             | K              |
|---------|-----------------------|-----------------------|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| SPIR173 | 0.295 max<br>7.50 max | 0.295 max<br>7.50 max | 0.138 max<br>3.5 max  | 0.079<br>2.00 | 0.043<br>1.10 | 0.200<br>5.08 | 0.248<br>6.30 | 0.118<br>3.00 | 0.075<br>1.91 | 0.177<br>4.50 | 0.413<br>10.50 |
| SPIR174 | 0.295 max<br>7.50 max | 0.295 max<br>7.50 max | 0.177 max<br>4.50 max | 0.079<br>2.00 | 0.043<br>1.10 | 0.200<br>5.08 | 0.248<br>6.30 | 0.118<br>3.00 | 0.075<br>1.91 | 0.177<br>4.50 | 0.413<br>10.50 |



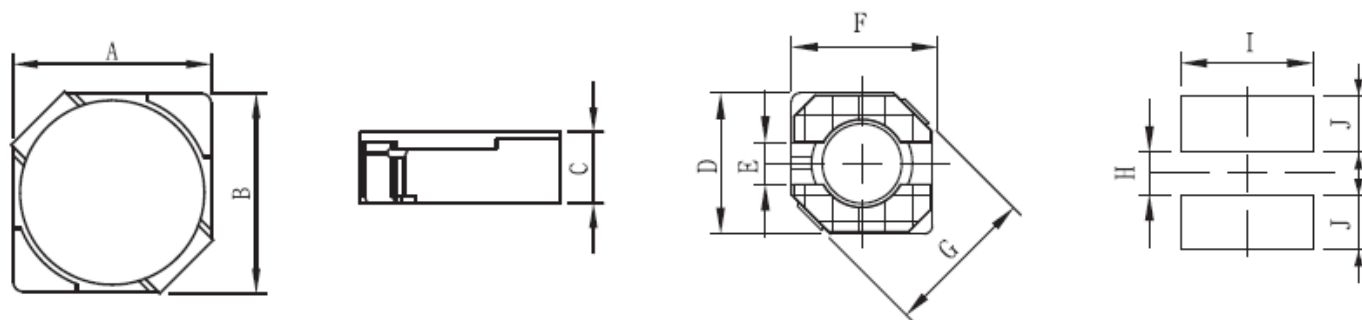
Unit: Inch / mm

| Part No | A                      | B                      | C                     | D             | E             | F             | G              | H             | I             | J             | K              |
|---------|------------------------|------------------------|-----------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|
| SPIR124 | 0.492 max<br>12.50 max | 0.492 max<br>12.50 max | 0.177 max<br>4.50 max | 0.197<br>5.00 | 0.079<br>2.00 | 0.299<br>7.60 | 0.393<br>10.00 | 0.236<br>6.00 | 0.118<br>3.00 | 0.276<br>7.00 | 0.709<br>18.00 |
| SPIR125 | 0.492 max<br>12.50 max | 0.492 max<br>12.50 max | 0.244 max<br>6.20 max | 0.197<br>5.00 | 0.079<br>2.00 | 0.299<br>7.60 | 0.393<br>10.00 | 0.236<br>6.00 | 0.118<br>3.00 | 0.276<br>7.00 | 0.709<br>18.00 |
| SPIR127 | 0.492 max<br>12.50 max | 0.492 max<br>12.50 max | 0.315 max<br>8.00 max | 0.197<br>5.00 | 0.079<br>2.00 | 0.299<br>7.60 | 0.393<br>10.00 | 0.236<br>6.00 | 0.118<br>3.00 | 0.276<br>7.00 | 0.709<br>18.00 |



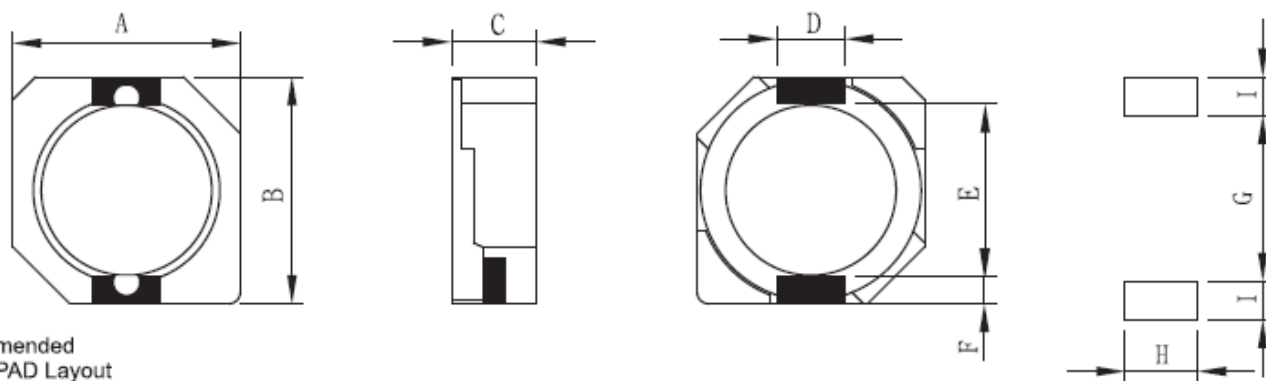
Unit: Inch / mm

| Part No   | A                        | B                        | C                        | D                       | E                       | F                        | G             | H            | I            |
|-----------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|--------------------------|---------------|--------------|--------------|
| SPIRR6025 | 0.236±0.079<br>6.0±0.2   | 0.236±0.079<br>6.0±0.2   | 0.099±0.0079<br>2.5±0.2  | 0.079±0.0040<br>2.0±0.1 | 0.118 typ<br>3.0 typ    | 0.059 typ<br>1.5 typ     | 0.0866<br>2.2 | 0.079<br>2.0 | 0.103<br>2.6 |
| SPIRR6028 | 0.236±0.079<br>6.0±0.2   | 0.236±0.079<br>6.0±0.2   | 0.110±0.0079<br>2.5±0.2  | 0.079±0.0040<br>2.0±0.1 | 0.118 typ<br>3.0 typ    | 0.059 typ<br>1.5 typ     | 0.0866<br>2.2 | 0.079<br>2.0 | 0.103<br>2.6 |
| SPIRR7028 | 0.276±0.079<br>7.0±0.2   | 0.276±0.079<br>7.0±0.2   | 0.110±0.0079<br>2.5±0.2  | 0.079±0.0040<br>2.0±0.1 | 0.193 typ<br>4.0 typ    | 0.059 typ<br>1.5 typ     | 0.0866<br>2.2 | 0.079<br>2.0 | 0.103<br>3.6 |
| SPIRR7032 | 0.276±0.079<br>7.0±0.2   | 0.276±0.079<br>7.0±0.2   | 0.126±0.0079<br>3.2±0.2  | 0.079±0.0040<br>2.0±0.1 | 0.193 typ<br>4.0 typ    | 0.059 typ<br>1.5 typ     | 0.0866<br>2.2 | 0.079<br>2.0 | 0.142<br>3.6 |
| SPIRR7045 | 0.276±0.079<br>7.0±0.2   | 0.276±0.079<br>7.0±0.2   | 0.177±0.118<br>4.5±0.3   | 0.079±0.0040<br>2.0±0.1 | 0.193 typ<br>4.0 typ    | 0.059 typ<br>1.5 typ     | 0.0866<br>2.2 | 0.079<br>2.0 | 0.142<br>3.6 |
| SPIRR1045 | 0.398±0.0118<br>10.1±0.3 | 0.398±0.0118<br>10.1±0.3 | 0.177±0.118<br>4.5±0.3   | 0.118±0.0040<br>3.0±0.1 | 0.236±0.0079<br>6.0±0.2 | 0.079±0.0059<br>2.0±0.15 | 0.126<br>3.2  | 0.099<br>2.5 | 0.322<br>8.2 |
| SPIRR1255 | 0.492±0.118<br>10.1±0.3  | 0.492±0.118<br>10.1±0.3  | 0.217±0.0118<br>5.5±0.3  | 0.118±0.0040<br>3.0±0.1 | 0.339±0.0118<br>8.6±0.3 | 0.079±0.0059<br>2.0±0.15 | 0.126<br>3.2  | 0.099<br>2.5 | 0.322<br>8.2 |
| SPIRR1265 | 0.492±0.118<br>10.1±0.3  | 0.492±0.118<br>10.1±0.3  | 0.256±0.0138<br>6.5±0.35 | 0.118±0.0040<br>3.0±0.1 | 0.339±0.0118<br>8.6±0.3 | 0.079±0.0059<br>2.0±0.15 | 0.126<br>3.2  | 0.099<br>2.5 | 0.322<br>8.2 |
| SPIRR1275 | 0.492±0.118<br>10.1±0.3  | 0.492±0.118<br>10.1±0.3  | 0.295±0.0138<br>7.5±0.35 | 0.118±0.0040<br>3.0±0.1 | 0.339±0.0118<br>8.6±0.3 | 0.079±0.0059<br>2.0±0.15 | 0.126<br>3.2  | 0.099<br>2.5 | 0.322<br>8.2 |



Unit: Inch / mm

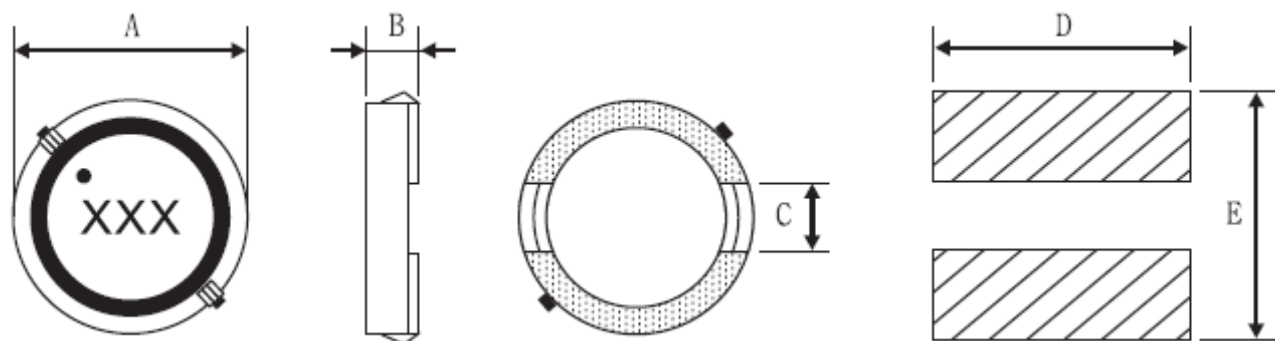
| Part No   | A                      | B                       | C                      | D            | E            | F            | G                    | H            | I            | J             |
|-----------|------------------------|-------------------------|------------------------|--------------|--------------|--------------|----------------------|--------------|--------------|---------------|
| SPIRH3D16 | 0.150±0.012<br>3.8±0.5 | 0.150±0.012<br>3.8±0.5  | 0.071±0.008<br>1.8±0.2 | 0.150<br>3.8 | 0.044<br>1.1 | 0.150<br>3.8 | 0.196 max<br>5.0 max | 0.044<br>1.1 | 0.181<br>4.6 | 0.067<br>1.7  |
| SPIRH4D18 | 0.185±0.012<br>4.7±0.5 | 0.185±0.012<br>4.7±0.5  | 0.079 max<br>2.0 max   | 0.177<br>4.5 | 0.059<br>1.5 | 0.177<br>4.5 | 0.272 max<br>6.9 max | 0.059<br>1.5 | 0.209<br>5.3 | 0.075<br>1.9  |
| SPIRH4D28 | 0.185±0.12<br>4.7±0.5  | 0.0185±0.012<br>4.7±0.5 | 0.119 max<br>3.0 max   | 0.177<br>4.5 | 0.059<br>1.5 | 0.177<br>4.5 | 0.272 max<br>6.9 max | 0.059<br>1.5 | 0.209<br>5.3 | 0.075<br>1.9  |
| SPIRH5D18 | 0.225±0.12<br>5.7±0.5  | 0.225±0.12<br>5.7±0.5   | 0.083 max<br>2.1 max   | 0.217<br>5.5 | 0.079<br>2.0 | 0.217<br>5.5 | 0.323 max<br>8.2 max | 0.079<br>2.0 | 0.248<br>6.3 | 0.085<br>2.15 |
| SPIRH5D28 | 0.225±0.12<br>5.7±0.5  | 0.225±0.12<br>5.7±0.5   | 0.119 max<br>3.0 max   | 0.217<br>5.5 | 0.079<br>2.0 | 0.217<br>5.5 | 0.323 max<br>8.2 max | 0.079<br>2.0 | 0.248<br>6.3 | 0.085<br>2.15 |
| SPIRH6D18 | 0.264±0.158<br>6.7±0.4 | 0.264±0.158<br>6.7±0.4  | 0.075 max<br>1.9 max   | 0.256<br>6.5 | 0.079<br>2.0 | 0.256<br>6.5 | 0.375 max<br>9.5 max | 0.079<br>2.0 | 0.288<br>7.3 | 0.105<br>2.65 |
| SPIRH6D28 | 0.264±0.158<br>6.7±0.4 | 0.264±0.158<br>6.7±0.4  | 0.119 max<br>3.0 max   | 0.256<br>6.5 | 0.079<br>2.0 | 0.256<br>6.5 | 0.375 max<br>9.5 max | 0.079<br>2.0 | 0.288<br>7.3 | 0.105<br>2.65 |
| SPIRH6D38 | 0.264±0.158<br>6.7±0.4 | 0.264±0.158<br>6.7±0.4  | 0.158 max<br>4.0 max   | 0.256<br>6.5 | 0.079<br>2.0 | 0.256<br>6.5 | 0.375 max<br>9.5 max | 0.079<br>2.0 | 0.288<br>7.3 | 0.105<br>2.65 |



Recommended  
Solder PAD Layout

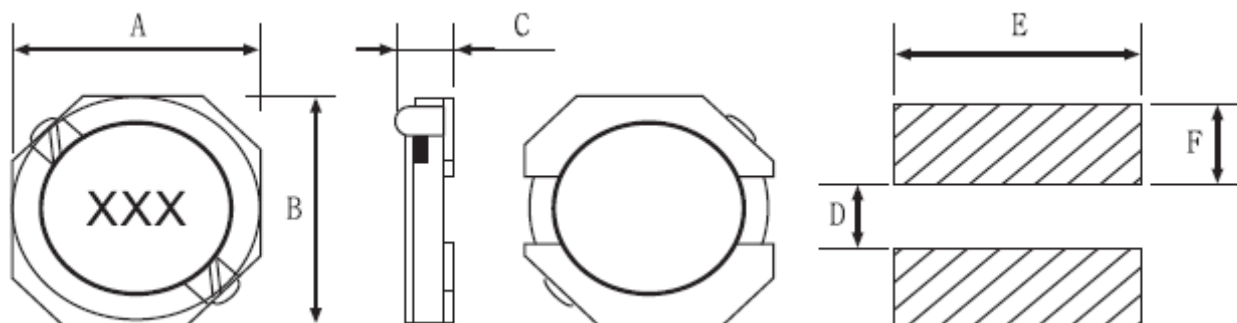
Unit: Inch / mm

| Part No   | A                     | B                     | C                      | D                      | E                      | F                       | G            | H            | I           |
|-----------|-----------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|--------------|--------------|-------------|
| SPIRH103R | 0.398 max<br>10.3 max | 0.414 max<br>10.5 max | 0.122 max<br>3.1 max   | 0.119±0.004<br>3.0±0.1 | 0.303±0.012<br>7.7±0.3 | 0.048±0.006<br>1.2±0.15 | 0.288<br>7.3 | 0.126<br>3.2 | 0.63<br>1.6 |
| SPIRH104R | 0.398 max<br>10.3 max | 0.414 max<br>10.5 max | 0.150±0.008<br>3.8±0.2 | 0.119±0.004<br>3.0±0.1 | 0.303±0.012<br>7.7±0.3 | 0.048±0.006<br>1.2±0.15 | 0.288<br>7.3 | 0.126<br>3.2 | 0.63<br>1.6 |



Unit: Inch / mm

| Part No   | A                      | B                    | C            | D            | E            |
|-----------|------------------------|----------------------|--------------|--------------|--------------|
| SPIRD7015 | 0.271±0.157<br>6.9±0.4 | 0.059 max<br>1.5 max | 0.079<br>2.0 | 0.288<br>7.3 | 0.288<br>7.3 |
| SPIRD7028 | 0.276±0.020<br>7.0±0.5 | 0.110 max<br>2.8 max | 0.079<br>2.0 | 0.288<br>7.3 | 0.288<br>7.3 |



Unit: Inch / mm

| Part No   | A                     | B                     | C                    | D            | E             | F            |
|-----------|-----------------------|-----------------------|----------------------|--------------|---------------|--------------|
| SPIRD1015 | 0.406 max<br>10.3 max | 0.406 max<br>10.3 max | 0.059 max<br>1.5 max | 0.119<br>3.0 | 0.410<br>10.4 | 0.146<br>3.7 |
| SPIRD1024 | 0.406 max<br>10.3 max | 0.406 max<br>10.3 max | 0.099 max<br>2.5 max | 0.119<br>3.0 | 0.410<br>10.4 | 0.146<br>3.7 |

**Part Numbers & Characteristic SPI Series**
**● SPIR Series**

| DARFON P/N    | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|---------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| <b>SPIR73</b> |                         |           |                   |                               |         |                        |
| SPIR73100M    | 10                      | ± 20%     | 1.68              | 0.072                         | ---     | 100KHz, 1V             |
| SPIR73120M    | 12                      |           | 1.52              | 0.098                         | ---     |                        |
| SPIR73150M    | 15                      |           | 1.33              | 0.130                         | ---     |                        |
| SPIR73180M    | 18                      |           | 1.20              | 0.140                         | ---     |                        |
| SPIR73220M    | 22                      |           | 1.07              | 0.190                         | ---     |                        |
| SPIR73270M    | 27                      |           | 0.96              | 0.210                         | ---     |                        |
| SPIR73330M    | 33                      |           | 0.91              | 0.240                         | ---     |                        |
| SPIR73390M    | 39                      |           | 0.77              | 0.320                         | ---     |                        |
| SPIR73470M    | 47                      |           | 0.76              | 0.360                         | ---     |                        |
| SPIR73560M    | 56                      |           | 0.68              | 0.470                         | ---     |                        |
| SPIR73680M    | 68                      |           | 0.61              | 0.520                         | ---     |                        |
| SPIR73820M    | 82                      |           | 0.57              | 0.690                         | ---     |                        |
| SPIR73101M    | 100                     |           | 0.50              | 0.790                         | ---     |                        |
| SPIR73121M    | 120                     |           | 0.49              | 0.890                         | ---     |                        |
| SPIR73151M    | 150                     |           | 0.43              | 1.270                         | ---     |                        |
| SPIR73181M    | 180                     |           | 0.39              | 1.450                         | ---     |                        |
| SPIR73221M    | 220                     |           | 0.35              | 1.650                         | ---     |                        |
| SPIR73271M    | 270                     |           | 0.32              | 2.310                         | ---     |                        |
| SPIR73331M    | 330                     |           | 0.28              | 2.620                         | ---     |                        |
| SPIR73391M    | 390                     |           | 0.26              | 2.940                         | ---     |                        |
| SPIR73471M    | 470                     |           | 0.24              | 4.180                         | ---     |                        |
| SPIR73561M    | 560                     |           | 0.22              | 4.670                         | ---     |                        |
| SPIR73681M    | 680                     |           | 0.19              | 5.730                         | ---     |                        |
| SPIR73821M    | 820                     |           | 0.18              | 6.540                         | ---     |                        |
| SPIR73102M    | 1000                    |           | 0.16              | 9.440                         | ---     |                        |

| DARFON P/N    | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|---------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| <b>SPIR74</b> |                         |           |                   |                               |         |                        |
| SPIR74100M    | 10                      | ± 20%     | 1.84              | 0.072                         | ---     | 100KHz, 1V             |
| SPIR74120M    | 12                      |           | 1.71              | 0.098                         | ---     |                        |
| SPIR74150M    | 15                      |           | 1.47              | 0.130                         | ---     |                        |
| SPIR74180M    | 18                      |           | 1.31              | 0.140                         | ---     |                        |
| SPIR74220M    | 22                      |           | 1.23              | 0.190                         | ---     |                        |
| SPIR74270M    | 27                      |           | 1.12              | 0.210                         | ---     |                        |
| SPIR74330M    | 33                      |           | 0.96              | 0.240                         | ---     |                        |
| SPIR74390M    | 39                      |           | 0.91              | 0.320                         | ---     |                        |
| SPIR74470M    | 47                      |           | 0.88              | 0.360                         | ---     |                        |
| SPIR74560M    | 56                      |           | 0.75              | 0.470                         | ---     |                        |
| SPIR74680M    | 68                      |           | 0.69              | 0.520                         | ---     |                        |
| SPIR74820M    | 82                      |           | 0.61              | 0.690                         | ---     |                        |
| SPIR74101M    | 100                     |           | 0.60              | 0.790                         | ---     |                        |
| SPIR74121M    | 120                     |           | 0.52              | 0.890                         | ---     |                        |
| SPIR74151M    | 150                     |           | 0.46              | 1.270                         | ---     |                        |
| SPIR74181M    | 180                     |           | 0.42              | 1.450                         | ---     |                        |
| SPIR74221M    | 220                     |           | 0.36              | 1.650                         | ---     |                        |
| SPIR74271M    | 270                     |           | 0.34              | 2.310                         | ---     |                        |
| SPIR74331M    | 330                     |           | 0.32              | 2.620                         | ---     |                        |
| SPIR74391M    | 390                     |           | 0.29              | 2.940                         | ---     |                        |
| SPIR74561M    | 560                     |           | 0.23              | 4.670                         | ---     |                        |
| SPIR74681M    | 680                     |           | 0.22              | 5.730                         | ---     |                        |
| SPIR74821M    | 820                     |           | 0.20              | 6.540                         | ---     |                        |
| SPIR74102M    | 1000                    |           | 0.18              | 9.440                         | ---     |                        |

| DARFON P/N      | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|-----------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| <b>SPIRI124</b> |                         |           |                   |                               |         |                        |
| SPIRI1243R9M    | 3.9                     | ± 20%     | 6.50              | 0.015                         | ---     | 100KHz, 1V             |
| SPIRI1244R7M    | 4.7                     |           | 5.70              | 0.018                         | ---     |                        |
| SPIRI1246R8M    | 6.8                     |           | 4.90              | 0.023                         | ---     |                        |
| SPIRI124100M    | 10                      |           | 4.50              | 0.028                         | ---     |                        |
| SPIRI124120M    | 12                      |           | 4.00              | 0.038                         | ---     |                        |
| SPIRI124150M    | 15                      |           | 3.20              | 0.050                         | ---     |                        |
| SPIRI124180M    | 18                      |           | 3.10              | 0.057                         | ---     |                        |
| SPIRI124220M    | 22                      |           | 2.90              | 0.066                         | ---     |                        |
| SPIRI124270M    | 27                      |           | 2.80              | 0.080                         | ---     |                        |
| SPIRI124330M    | 33                      |           | 2.70              | 0.097                         | ---     |                        |
| SPIRI124390M    | 39                      |           | 2.10              | 0.132                         | ---     |                        |
| SPIRI124470M    | 47                      |           | 1.90              | 0.150                         | ---     |                        |
| SPIRI124560M    | 56                      |           | 1.80              | 0.190                         | ---     |                        |
| SPIRI124680M    | 68                      |           | 1.50              | 0.220                         | ---     |                        |
| SPIRI124820M    | 82                      |           | 1.30              | 0.260                         | ---     |                        |
| SPIRI124101M    | 100                     |           | 1.20              | 0.308                         | ---     |                        |
| SPIRI124121M    | 120                     |           | 1.10              | 0.380                         | ---     |                        |
| SPIRI124151M    | 150                     |           | 0.95              | 0.530                         | ---     |                        |
| SPIRI124181M    | 180                     |           | 0.85              | 0.620                         | ---     |                        |
| SPIRI124221M    | 220                     |           | 0.80              | 0.700                         | ---     |                        |
| SPIRI124271M    | 270                     |           | 0.60              | 0.876                         | ---     |                        |
| SPIRI124331M    | 330                     |           | 0.50              | 0.990                         | ---     |                        |

| DARFON P/N   | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|--------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| SPIRI125     |                         |           |                   |                               |         |                        |
| SPIRI125100M | 10                      | ± 20%     | 4.00              | 0.025                         | ---     | 100KHz, 1V             |
| SPIRI125120M | 12                      |           | 3.50              | 0.027                         | ---     |                        |
| SPIRI125150M | 15                      |           | 3.30              | 0.030                         | ---     |                        |
| SPIRI125180M | 18                      |           | 3.00              | 0.038                         | ---     |                        |
| SPIRI125220M | 22                      |           | 2.80              | 0.045                         | ---     |                        |
| SPIRI125270M | 27                      |           | 2.30              | 0.055                         | ---     |                        |
| SPIRI125330M | 33                      |           | 2.10              | 0.063                         | ---     |                        |
| SPIRI125390M | 39                      |           | 2.00              | 0.075                         | ---     |                        |
| SPIRI125470M | 47                      |           | 1.80              | 0.085                         | ---     |                        |
| SPIRI125560M | 56                      |           | 1.70              | 0.110                         | ---     |                        |
| SPIRI125680M | 68                      |           | 1.50              | 0.120                         | ---     |                        |
| SPIRI125820M | 82                      |           | 1.40              | 0.140                         | ---     |                        |
| SPIRI125101M | 100                     |           | 1.30              | 0.165                         | ---     |                        |
| SPIRI125121M | 120                     |           | 1.10              | 0.195                         | ---     |                        |
| SPIRI125151M | 150                     |           | 1.00              | 0.250                         | ---     |                        |
| SPIRI125181M | 180                     |           | 0.90              | 0.290                         | ---     |                        |
| SPIRI125221M | 220                     |           | 0.80              | 0.400                         | ---     |                        |
| SPIRI125271M | 270                     |           | 0.75              | 0.460                         | ---     |                        |
| SPIRI125331M | 330                     |           | 0.68              | 0.510                         | ---     |                        |
| SPIRI125391M | 390                     |           | 0.65              | 0.690                         | ---     |                        |
| SPIRI125471M | 470                     |           | 0.58              | 0.770                         | ---     |                        |
| SPIRI125561M | 560                     |           | 0.54              | 0.880                         | ---     |                        |
| SPIRI125681M | 680                     |           | 0.48              | 1.200                         | ---     |                        |
| SPIRI125821M | 820                     |           | 0.43              | 1.340                         | ---     |                        |
| SPIRI125102M | 1000                    | 0.40      | 1.530             | ---                           |         |                        |
| SPIRI127     |                         |           |                   |                               |         |                        |
| SPIRI1272R4M | 2.4                     | ± 20%     | 8                 | 0.012                         | ---     | 100KHz, 1V             |
| SPIRI1274R7M | 4.7                     |           | 6.80              | 0.016                         | ---     |                        |
| SPIRI1277R6M | 7.6                     |           | 5.90              | 0.020                         | ---     |                        |
| SPIRI127100M | 10                      |           | 5.40              | 0.022                         | ---     |                        |
| SPIRI127120M | 12                      |           | 4.90              | 0.025                         | ---     |                        |
| SPIRI127150M | 15                      |           | 4.50              | 0.027                         | ---     |                        |
| SPIRI127180M | 18                      |           | 3.90              | 0.039                         | ---     |                        |
| SPIRI127220M | 22                      |           | 3.60              | 0.043                         | ---     |                        |
| SPIRI127270M | 27                      |           | 3.40              | 0.046                         | ---     |                        |
| SPIRI127330M | 33                      |           | 3.00              | 0.065                         | ---     |                        |
| SPIRI127390M | 39                      |           | 2.75              | 0.073                         | ---     |                        |
| SPIRI127470M | 47                      |           | 2.50              | 0.100                         | ---     |                        |

**● SPIRR Series**

| DARFON P/N    | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|---------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| SPIRR6025     |                         |           |                   |                               |         |                        |
| SPIRR60254R7M | 4.7                     | ± 20%     | 1.50              | 0.050                         | ---     | 100KHz, 1V             |
| SPIRR60256R8M | 6.8                     |           | 1.30              | 0.080                         | ---     |                        |
| SPIRR6025100M | 10                      |           | 1.00              | 0.098                         | ---     |                        |
| SPIRR6025150M | 15                      |           | 0.88              | 0.140                         | ---     |                        |
| SPIRR6025220M | 22                      |           | 0.73              | 0.208                         | ---     |                        |
| SPIRR6025330M | 33                      |           | 0.59              | 0.310                         | ---     |                        |
| SPIRR6025470M | 47                      |           | 0.48              | 0.390                         | ---     |                        |
| SPIRR6025680M | 68                      |           | 0.42              | 0.540                         | ---     |                        |
| SPIRR6025101M | 100                     |           | 0.33              | 0.810                         | ---     |                        |
| SPIRR6028     |                         |           |                   |                               |         |                        |
| SPIRR6028M    | 3.3                     | ± 20%     | 1.60              | 0.050                         | ---     | 100KHz, 1V             |
| SPIRR6028M    | 6.8                     |           | 1.50              | 0.073                         | ---     |                        |
| SPIRR6028M    | 10                      |           | 1.30              | 0.098                         | ---     |                        |
| SPIRR6028M    | 15                      |           | 1.00              | 0.128                         | ---     |                        |
| SPIRR6028M    | 22                      |           | 0.77              | 0.172                         | ---     |                        |
| SPIRR6028M    | 33                      |           | 0.69              | 0.290                         | ---     |                        |
| SPIRR6028M    | 47                      |           | 0.59              | 0.420                         | ---     |                        |
| SPIRR6028M    | 68                      |           | 0.50              | 0.533                         | ---     |                        |
| SPIRR6028M    | 100                     |           | 0.42              | 0.730                         | ---     |                        |
| SPIRR7028     |                         |           |                   |                               |         |                        |
| SPIRR70283R3M | 3.3                     | ± 20%     | 1.60              | 0.045                         | ---     | 100KHz, 1V             |
| SPIRR70284R7M | 4.7                     |           | 1.50              | 0.054                         | ---     |                        |
| SPIRR70286R8M | 6.8                     |           | 1.30              | 0.071                         | ---     |                        |
| SPIRR7028100M | 10                      |           | 1.10              | 0.100                         | ---     |                        |
| SPIRR7028150M | 15                      |           | 0.88              | 0.156                         | ---     |                        |
| SPIRR7028220M | 22                      |           | 0.75              | 0.220                         | ---     |                        |
| SPIRR7028330M | 33                      |           | 0.65              | 0.290                         | ---     |                        |
| SPIRR7028470M | 47                      |           | 0.54              | 0.410                         | ---     |                        |

| DARFON P/N    | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|---------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| SPIRR7032     |                         |           |                   |                               |         |                        |
| SPIRR70323R3M | 3.3                     | ± 20%     | 1.90              | 0.028                         | ---     | 100KHz, 1V             |
| SPIRR70324R7M | 4.7                     |           | 1.70              | 0.044                         | ---     |                        |
| SPIRR70326R8M | 6.8                     |           | 1.60              | 0.050                         | ---     |                        |
| SPIRR7032100M | 10                      |           | 1.40              | 0.064                         | ---     |                        |
| SPIRR7032150M | 15                      |           | 1.10              | 0.090                         | ---     |                        |
| SPIRR7032220M | 22                      |           | 0.96              | 0.132                         | ---     |                        |
| SPIRR7032330M | 33                      |           | 0.75              | 0.192                         | ---     |                        |
| SPIRR7032M470 | 47                      |           | 0.67              | 0.290                         | ---     |                        |
| SPIRR7032680M | 68                      |           | 0.59              | 0.372                         | ---     |                        |
| SPIRR7032101M | 100                     |           | 0.45              | 0.540                         | ---     |                        |
| SPIRR7032151M | 150                     |           | 0.37              | 0.780                         | ---     |                        |
| SPIRR7032221M | 220                     |           | 0.29              | 1.260                         | ---     |                        |
| SPIRR7032331M | 330                     |           | 0.22              | 2.000                         | ---     |                        |
| SPIRR7032471M | 470                     |           | 0.20              | 2.460                         | ---     |                        |
| SPIRR7032681M | 680                     |           | 0.16              | 3.780                         | ---     |                        |
| SPIRR7032102M | 1000                    |           | 0.13              | 5.740                         | ---     |                        |
| SPIRR7045     |                         |           |                   |                               |         |                        |
| SPIRR70453R3M | 3.3                     | ± 20%     | 2.30              | 0.024                         | ---     | 100KHz, 1V             |
| SPIRR70454R7M | 4.7                     |           | 2.00              | 0.036                         | ---     |                        |
| SPIRR70456R8M | 6.8                     |           | 1.70              | 0.045                         | ---     |                        |
| SPIRR7045100M | 10                      |           | 1.30              | 0.047                         | ---     |                        |
| SPIRR7045150M | 15                      |           | 1.10              | 0.063                         | ---     |                        |
| SPIRR7045220M | 22                      |           | 0.90              | 0.075                         | ---     |                        |
| SPIRR7045330M | 33                      |           | 0.82              | 0.120                         | ---     |                        |
| SPIRR7045470M | 47                      |           | 0.75              | 0.150                         | ---     |                        |
| SPIRR7045680M | 68                      |           | 0.60              | 0.210                         | ---     |                        |
| SPIRR7045101M | 100                     |           | 0.50              | 0.300                         | ---     |                        |
| SPIRR7045151M | 150                     |           | 0.40              | 0.410                         | ---     |                        |
| SPIRR7045221M | 220                     |           | 0.33              | 0.624                         | ---     |                        |
| SPIRR7045331M | 330                     |           | 0.25              | 0.890                         | ---     |                        |
| SPIRR7045471M | 470                     |           | 0.22              | 1.260                         | ---     |                        |
| SPIRR7045681M | 680                     |           | 0.20              | 1.780                         | ---     |                        |
| SPIRR7045102M | 1000                    |           | 0.14              | 2.740                         | ---     |                        |

| DARFON P/N    | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|---------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| SPIRR1045     |                         |           |                   |                               |         |                        |
| SPIRR1045100M | 10                      | ± 20%     | 2.5               | 0.044                         | ---     | 100KHz, 1V             |
| SPIRR1045150M | 15                      |           | 2.2               | 0.057                         | ---     |                        |
| SPIRR1045220M | 22                      |           | 1.90              | 0.071                         | ---     |                        |
| SPIRR1045330M | 33                      |           | 1.60              | 0.100                         | ---     |                        |
| SPIRR1045470M | 47                      |           | 1.40              | 0.120                         | ---     |                        |
| SPIRR1045680M | 68                      |           | 1.20              | 0.170                         | ---     |                        |
| SPIRR1045101M | 100                     |           | 1.00              | 0.240                         | ---     |                        |
| SPIRR1045151M | 150                     |           | 0.79              | 0.420                         | ---     |                        |
| SPIRR1045221M | 220                     |           | 0.65              | 0.570                         | ---     |                        |
| SPIRR1045331M | 330                     |           | 0.54              | 0.820                         | ---     |                        |
| SPIRR1045471M | 470                     |           | 0.47              | 1.240                         | ---     |                        |
| SPIRR1045681M | 680                     |           | 0.38              | 1.920                         | ---     |                        |
| SPIRR1045102M | 1000                    |           | 0.29              | 3.360                         | ---     |                        |
| SPIRR1045152M | 1500                    |           | 0.22              | 4.080                         | ---     |                        |
| SPIRR1255     |                         |           |                   |                               |         |                        |
| SPIRR12556R0M | 6.0                     | ± 20%     | 3.60              | 0.020                         |         | 100KHz, 1V             |
| SPIRR1255100M | 10                      |           | 3.40              | 0.026                         |         |                        |
| SPIRR1255150M | 15                      |           | 2.80              | 0.032                         |         |                        |
| SPIRR1255220M | 22                      |           | 2.30              | 0.041                         |         |                        |
| SPIRR1255330M | 33                      |           | 1.90              | 0.050                         |         |                        |
| SPIRR1255470M | 47                      |           | 1.60              | 0.075                         |         |                        |
| SPIRR1255680M | 68                      |           | 1.30              | 0.100                         |         |                        |
| SPIRR1255101M | 100                     |           | 1.10              | 0.140                         |         |                        |
| SPIRR1255151M | 150                     |           | 0.88              | 0.230                         |         |                        |
| SPIRR1255221M | 220                     |           | 0.72              | 0.330                         |         |                        |
| SPIRR1255331M | 330                     |           | 0.59              | 0.500                         |         |                        |
| SPIRR1255471M | 470                     |           | 0.49              | 0.630                         |         |                        |
| SPIRR1255681M | 680                     |           | 0.43              | 0.920                         |         |                        |
| SPIRR1255102M | 1000                    |           | 0.34              | 1.350                         |         |                        |
| SPIRR1255152M | 1500                    |           | 0.29              | 2.080                         |         |                        |

| DARFON P/N    | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|---------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| SPIRR1265     |                         |           |                   |                               |         |                        |
| SPIRR12652R0M | 2.0                     | ± 20%     | 6.20              | 0.014                         | ---     | 100KHz, 1V             |
| SPIRR12654R2M | 4.2                     |           | 5.50              | 0.018                         | ---     |                        |
| SPIRR12657R0M | 7.0                     |           | 5.00              | 0.022                         | ---     |                        |
| SPIRR1265100M | 10                      |           | 4.80              | 0.025                         | ---     |                        |
| SPIRR1265150M | 15                      |           | 4.20              | 0.029                         | ---     |                        |
| SPIRR1265220M | 22                      |           | 3.50              | 0.038                         | ---     |                        |
| SPIRR1265330M | 33                      |           | 2.80              | 0.049                         | ---     |                        |
| SPIRR1265470M | 47                      |           | 2.40              | 0.070                         | ---     |                        |
| SPIRR1265680M | 68                      |           | 2.00              | 0.095                         | ---     |                        |
| SPIRR1265101M | 100                     |           | 1.60              | 0.150                         | ---     |                        |
| SPIRR1265221M | 220                     |           | 1.00              | 0.330                         | ---     |                        |
| SPIRR1275     |                         |           |                   |                               |         |                        |
| SPIRR12751R2M | 1.2                     | ± 20%     | 8.20              | 0.009                         |         | 100KHz, 1V             |
| SPIRR12752R7M | 2.7                     |           | 7.00              | 0.012                         |         |                        |
| SPIRR12753R9M | 3.9                     |           | 6.70              | 0.013                         |         |                        |
| SPIRR12755R6M | 5.6                     |           | 6.30              | 0.014                         |         |                        |
| SPIRR12756R8M | 6.8                     |           | 5.90              | 0.016                         |         |                        |
| SPIRR1275100M | 10                      |           | 5.40              | 0.019                         |         |                        |
| SPIRR1275150M | 15                      |           | 4.70              | 0.022                         |         |                        |
| SPIRR1275220M | 22                      |           | 4.00              | 0.032                         |         |                        |
| SPIRR1275330M | 33                      |           | 3.20              | 0.048                         |         |                        |
| SPIRR1275470M | 47                      |           | 2.70              | 0.064                         |         |                        |
| SPIRR1275680M | 68                      |           | 2.00              | 0.094                         |         |                        |
| SPIRR1275101M | 100                     |           | 1.90              | 0.150                         |         |                        |
| SPIRR1275151M | 150                     |           | 1.50              | 0.210                         |         |                        |
| SPIRR1275221M | 220                     |           | 1.30              | 0.310                         |         |                        |

**● SPIRH Series**

| DARFON P/N    | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|---------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| SPIRH3D16     |                         |           |                   |                               |         |                        |
| SPIRH3D161R5M | 1.5                     | ± 20%     | 1.55              | 0.052                         | ---     | 100KHz, 1V             |
| SPIRH3D162R2M | 2.2                     |           | 1.20              | 0.072                         | ---     |                        |
| SPIRH3D163R3M | 3.3                     |           | 1.10              | 0.085                         | ---     |                        |
| SPIRH3D164R7M | 4.7                     |           | 0.90              | 0.105                         | ---     |                        |
| SPIRH3D166R8M | 6.8                     |           | 0.73              | 0.170                         | ---     |                        |
| SPIRH3D16100M | 10                      |           | 0.55              | 0.210                         | ---     |                        |
| SPIRH3D16150M | 15                      |           | 0.45              | 0.295                         | ---     |                        |
| SPIRH3D16220M | 22                      |           | 0.40              | 0.430                         | ---     |                        |
| SPIRH3D16330M | 33                      |           | 0.32              | 0.675                         | ---     |                        |
| SPIRH4D18     |                         |           |                   |                               |         |                        |
| SPIRH4D181R0M | 1.0                     | ± 20%     | 1.72              | 0.045                         | ---     | 100KHz, 1V             |
| SPIRH4D182R2M | 2.2                     |           | 1.32              | 0.060                         | ---     |                        |
| SPIRH4D182R7M | 2.7                     |           | 1.28              | 0.070                         | ---     |                        |
| SPIRH4D183R3M | 3.3                     |           | 1.04              | 0.085                         | ---     |                        |
| SPIRH4D183R9M | 3.9                     |           | 0.88              | 0.110                         | ---     |                        |
| SPIRH4D184R7M | 4.7                     |           | 0.84              | 0.128                         | ---     |                        |
| SPIRH4D185R6M | 5.6                     |           | 0.80              | 0.145                         | ---     |                        |
| SPIRH4D186R8M | 6.8                     |           | 0.76              | 0.158                         | ---     |                        |
| SPIRH4D188R2M | 8.2                     |           | 0.68              | 0.185                         | ---     |                        |
| SPIRH4D18100M | 10                      |           | 0.61              | 0.200                         | ---     |                        |
| SPIRH4D18120M | 12                      |           | 0.56              | 0.210                         | ---     |                        |
| SPIRH4D18150M | 15                      |           | 0.50              | 0.240                         | ---     |                        |
| SPIRH4D18180M | 18                      |           | 0.48              | 0.338                         | ---     |                        |
| SPIRH4D18220M | 22                      |           | 0.41              | 0.397                         | ---     |                        |
| SPIRH4D18270M | 27                      |           | 0.35              | 0.441                         | ---     |                        |
| SPIRH4D18330M | 33                      |           | 0.32              | 0.694                         | ---     |                        |
| SPIRH4D18390M | 39                      |           | 0.30              | 0.709                         | ---     |                        |

| DARFON P/N    | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|---------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| SPIRH4D28     |                         |           |                   |                               |         |                        |
| SPIRH4D281R2M | 1.2                     | ± 20%     | 2.56              | 0.0236                        | ---     | 100KHz, 1V             |
| SPIRH4D281R8M | 1.8                     |           | 2.20              | 0.0275                        | ---     |                        |
| SPIRH4D282R2M | 2.2                     |           | 2.04              | 0.0313                        | ---     |                        |
| SPIRH4D282R7M | 2.7                     |           | 1.60              | 0.0433                        | ---     |                        |
| SPIRH4D283R3M | 3.3                     |           | 1.57              | 0.0492                        | ---     |                        |
| SPIRH4D283R9M | 3.9                     |           | 1.44              | 0.0648                        | ---     |                        |
| SPIRH4D284R7M | 4.7                     |           | 1.32              | 0.0720                        | ---     |                        |
| SPIRH4D285R6M | 5.6                     |           | 1.17              | 0.1009                        | ---     |                        |
| SPIRH4D286R8M | 6.8                     |           | 1.12              | 0.1089                        | ---     |                        |
| SPIRH4D288R2M | 8.2                     |           | 1.04              | 0.1175                        | ---     |                        |
| SPIRH4D28100M | 10                      |           | 1.00              | 0.1283                        | ---     |                        |
| SPIRH4D28120M | 12                      |           | 0.84              | 0.1316                        | ---     |                        |
| SPIRH4D28150M | 15                      |           | 0.76              | 0.1490                        | ---     |                        |
| SPIRH4D28180M | 18                      |           | 0.72              | 0.1660                        | ---     |                        |
| SPIRH4D28220M | 22                      |           | 0.70              | 0.2350                        | ---     |                        |
| SPIRH4D28270M | 27                      |           | 0.58              | 0.2610                        | ---     |                        |
| SPIRH4D28330M | 33                      |           | 0.56              | 0.3780                        | ---     |                        |
| SPIRH4D28390M | 39                      |           | 0.50              | 0.3837                        | ---     |                        |
| SPIRH4D28470M | 47                      |           | 0.48              | 0.5870                        | ---     |                        |
| SPIRH4D28560M | 56                      |           | 0.41              | 0.6245                        | ---     |                        |
| SPIRH4D28680M | 68                      |           | 0.35              | 0.6990                        | ---     |                        |
| SPIRH4D28820M | 82                      |           | 0.32              | 0.9148                        | ---     |                        |
| SPIRH4D28101M | 100                     |           | 0.29              | 1.020                         | ---     |                        |
| SPIRH4D28121M | 120                     |           | 0.27              | 1.270                         | ---     |                        |
| SPIRH4D28151M | 150                     |           | 0.24              | 1.350                         | ---     |                        |
| SPIRH4D28181M | 180                     |           | 0.22              | 1.540                         | ---     |                        |
| SPIRH5D18     |                         |           |                   |                               |         |                        |
| SPIRH5D184R1M | 4.1                     | ± 20%     | 1.95              | 0.057                         | ---     | 100KHz, 1V             |
| SPIRH5D185R4M | 5.4                     |           | 1.60              | 0.076                         | ---     |                        |
| SPIRH5D186R2M | 6.2                     |           | 1.40              | 0.096                         | ---     |                        |
| SPIRH5D188R9M | 8.9                     |           | 1.25              | 0.116                         | ---     |                        |
| SPIRH5D18100M | 10                      |           | 1.20              | 0.124                         | ---     |                        |
| SPIRH5D18120M | 12                      |           | 1.10              | 0.153                         | ---     |                        |
| SPIRH5D18150M | 15                      |           | 0.97              | 0.196                         | ---     |                        |
| SPIRH5D18180M | 18                      |           | 0.85              | 0.210                         | ---     |                        |
| SPIRH5D18220M | 22                      |           | 0.80              | 0.290                         | ---     |                        |
| SPIRH5D18270M | 27                      |           | 0.75              | 0.330                         | ---     |                        |
| SPIRH5D18330M | 33                      |           | 0.65              | 0.386                         | ---     |                        |
| SPIRH5D18390M | 39                      |           | 0.57              | 0.520                         | ---     |                        |
| SPIRH5D18470M | 47                      |           | 0.54              | 0.595                         | ---     |                        |
| SPIRH5D18560M | 56                      |           | 0.50              | 0.665                         | ---     |                        |
| SPIRH5D18680M | 68                      |           | 0.43              | 0.840                         | ---     |                        |
| SPIRH5D18820M | 82                      |           | 0.41              | 0.978                         | ---     |                        |
| SPIRH5D18101M | 100                     |           | 0.36              | 1.200                         | ---     |                        |

| DARFON P/N    | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|---------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| SPIRH5D28     |                         |           |                   |                               |         |                        |
| SPIRH5D282R6M | 2.6                     | ± 20%     | 2.60              | 0.018                         | ---     | 100KHz, 1V             |
| SPIRH5D283R0M | 3.0                     |           | 2.40              | 0.024                         | ---     |                        |
| SPIRH5D284R2M | 4.2                     |           | 2.20              | 0.031                         | ---     |                        |
| SPIRH5D285R3M | 5.3                     |           | 1.90              | 0.038                         | ---     |                        |
| SPIRH5D286R2M | 6.2                     |           | 1.80              | 0.045                         | ---     |                        |
| SPIRH5D288R2M | 8.2                     |           | 1.60              | 0.053                         | ---     |                        |
| SPIRH5D28100M | 10                      |           | 1.30              | 0.065                         | ---     |                        |
| SPIRH5D28120M | 12                      |           | 1.20              | 0.076                         | ---     |                        |
| SPIRH5D28150M | 15                      |           | 1.10              | 0.103                         | ---     |                        |
| SPIRH5D28180M | 18                      |           | 1.00              | 0.110                         | ---     |                        |
| SPIRH5D28220M | 22                      |           | 0.90              | 0.122                         | ---     |                        |
| SPIRH5D28270M | 27                      |           | 0.85              | 0.175                         | ---     |                        |
| SPIRH5D28330M | 33                      |           | 0.75              | 0.189                         | ---     |                        |
| SPIRH5D28390M | 39                      |           | 0.70              | 0.212                         | ---     |                        |
| SPIRH5D28470M | 47                      |           | 0.62              | 0.260                         | ---     |                        |
| SPIRH5D28560M | 56                      |           | 0.58              | 0.305                         | ---     |                        |
| SPIRH5D28680M | 68                      |           | 0.52              | 0.355                         | ---     |                        |
| SPIRH5D28820M | 82                      |           | 0.46              | 0.463                         | ---     |                        |
| SPIRH5D28101M | 100                     |           | 0.42              | 0.520                         | ---     |                        |
| SPIRH6D18     |                         |           |                   |                               |         |                        |
| SPIRH6D183R3M | 3.3                     | ± 20%     | 3.00              | 0.069                         | ---     | 100KHz, 1V             |
| SPIRH6D184R7M | 4.7                     |           | 2.40              | 0.075                         | ---     |                        |
| SPIRH6D186R8M | 6.8                     |           | 2.20              | 0.106                         | ---     |                        |
| SPIRH6D18100M | 10                      |           | 1.80              | 0.150                         | ---     |                        |
| SPIRH6D28     |                         |           |                   |                               |         |                        |
| SPIRH6D283R0M | 3.0                     | ± 20%     | 3.00              | 0.024                         | ---     | 100KHz, 1V             |
| SPIRH6D283R9M | 3.9                     |           | 2.60              | 0.027                         | ---     |                        |
| SPIRH6D285R0M | 5.0                     |           | 2.40              | 0.031                         | ---     |                        |
| SPIRH6D286R0M | 6.0                     |           | 2.25              | 0.035                         | ---     |                        |
| SPIRH6D287R3M | 7.3                     |           | 2.10              | 0.054                         | ---     |                        |
| SPIRH6D288R6M | 8.6                     |           | 1.85              | 0.058                         | ---     |                        |
| SPIRH6D28100M | 10                      |           | 1.70              | 0.065                         | ---     |                        |
| SPIRH6D28120M | 12                      |           | 1.55              | 0.070                         | ---     |                        |
| SPIRH6D28150M | 15                      |           | 1.40              | 0.084                         | ---     |                        |
| SPIRH6D28180M | 18                      |           | 1.32              | 0.095                         | ---     |                        |
| SPIRH6D28220M | 22                      |           | 1.20              | 0.128                         | ---     |                        |
| SPIRH6D28270M | 27                      |           | 1.05              | 0.142                         | ---     |                        |
| SPIRH6D28330M | 33                      |           | 0.97              | 0.165                         | ---     |                        |
| SPIRH6D28390M | 39                      |           | 0.86              | 0.210                         | ---     |                        |
| SPIRH6D28470M | 47                      |           | 0.80              | 0.238                         | ---     |                        |
| SPIRH6D28560M | 56                      |           | 0.73              | 0.277                         | ---     |                        |
| SPIRH6D28680M | 68                      |           | 0.65              | 0.304                         | ---     |                        |
| SPIRH6D28820M | 82                      |           | 0.60              | 0.390                         | ---     |                        |
| SPIRH6D28101M | 100                     |           | 0.54              | 0.535                         | ---     |                        |

| DARFON P/N    | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|---------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| SPIRH6D38     |                         |           |                   |                               |         |                        |
| SPIRH6D383R3M | 3.3                     | ± 20%     | 3.50              | 0.020                         | ---     | 100KHz, 1V             |
| SPIRH6D385R0M | 5.0                     |           | 2.90              | 0.024                         | ---     |                        |
| SPIRH6D386R0M | 6.0                     |           | 2.50              | 0.027                         | ---     |                        |
| SPIRH6D387R3M | 7.3                     |           | 2.30              | 0.031                         | ---     |                        |
| SPIRH6D388R6M | 8.6                     |           | 2.20              | 0.034                         | ---     |                        |
| SPIRH6D38100M | 10                      |           | 2.00              | 0.038                         | ---     |                        |
| SPIRH6D38120M | 12                      |           | 1.70              | 0.053                         | ---     |                        |
| SPIRH6D38150M | 15                      |           | 1.60              | 0.057                         | ---     |                        |
| SPIRH6D38180M | 18                      |           | 1.50              | 0.092                         | ---     |                        |
| SPIRH6D38220M | 22                      |           | 1.30              | 0.096                         | ---     |                        |
| SPIRH6D38270M | 27                      |           | 1.20              | 0.109                         | ---     |                        |
| SPIRH6D38330M | 33                      |           | 1.10              | 0.124                         | ---     |                        |
| SPIRH6D38390M | 39                      |           | 1.00              | 0.138                         | ---     |                        |
| SPIRH6D38470M | 47                      |           | 0.95              | 0.155                         | ---     |                        |
| SPIRH6D38560M | 56                      |           | 0.85              | 0.202                         | ---     |                        |
| SPIRH6D38680M | 68                      |           | 0.75              | 0.234                         | ---     |                        |
| SPIRH6D38820M | 82                      |           | 0.70              | 0.324                         | ---     |                        |
| SPIRH6D38101M | 100                     |           | 0.65              | 0.358                         | ---     |                        |
| SPIRH103R     |                         |           |                   |                               |         |                        |
| SPIRH103R0R8N | 0.8                     | ± 30%     | 11.2              | 0.0057                        | ---     | 100KHz, 1V             |
| SPIRH103R1R5N | 1.5                     |           | 8.00              | 0.011                         | ---     |                        |
| SPIRH103R2R2N | 2.2                     |           | 6.70              | 0.0159                        | ---     |                        |
| SPIRH103R3R3N | 3.3                     |           | 5.56              | 0.021                         | ---     |                        |
| SPIRH103R4R7N | 4.7                     |           | 4.55              | 0.030                         | ---     |                        |
| SPIRH103R6R8N | 6.8                     |           | 3.84              | 0.035                         | ---     |                        |
| SPIRH103R8R0N | 8.0                     |           | 3.54              | 0.050                         | ---     |                        |
| SPIRH103R100N | 10                      |           | 3.18              | 0.059                         | ---     |                        |
| SPIRH103R150N | 15                      |           | 2.60              | 0.091                         | ---     |                        |
| SPIRH103R220N | 22                      |           | 2.16              | 0.143                         | ---     |                        |
| SPIRH103R330N | 33                      |           | 1.74              | 0.202                         | ---     |                        |
| SPIRH103R470N | 47                      |           | 1.43              | 0.299                         | ---     |                        |

| DARFON P/N       | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|------------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| <b>SPIRH104R</b> |                         |           |                   |                               |         |                        |
| SPIRH104R1R5N    | 1.5                     | ± 30%     | 10.0              | 0.0081                        | ---     | 100KHz, 1V             |
| SPIRH104R2R5N    | 2.5                     |           | 7.50              | 0.010                         | ---     |                        |
| SPIRH104R3R8N    | 3.8                     |           | 6.00              | 0.013                         | ---     |                        |
| SPIRH104R4R7N    | 4.7                     |           | 5.50              | 0.022                         | ---     |                        |
| SPIRH104R5R2N    | 5.2                     |           | 5.50              | 0.022                         | ---     |                        |
| SPIRH104R7R0N    | 7.0                     |           | 4.80              | 0.027                         | ---     |                        |
| SPIRH104R100N    | 10                      |           | 4.40              | 0.035                         | ---     |                        |
| SPIRH104R150N    | 15                      |           | 3.60              | 0.050                         | ---     |                        |
| SPIRH104R220N    | 22                      |           | 2.90              | 0.073                         | ---     |                        |
| SPIRH104R330N    | 33                      |           | 2.30              | 0.093                         | ---     |                        |
| SPIRH104R470N    | 47                      |           | 2.10              | 0.128                         | ---     |                        |
| SPIRH104R680N    | 68                      |           | 1.50              | 0.213                         | ---     |                        |
| SPIRH104R101N    | 100                     |           | 1.35              | 0.304                         | ---     |                        |
| SPIRH104R151N    | 150                     |           | 1.15              | 0.506                         | ---     |                        |
| SPIRH104R221N    | 220                     |           | 0.92              | 0.756                         | ---     |                        |
| SPIRH104R331N    | 330                     |           | 0.70              | 1.090                         | ---     |                        |

**● SPIRD Series**

| DARFON P/N    | Inductance<br>L<br>(uH) | Tolerance | Rated current (A) | DC<br>Resistance<br>(Ω) ± 20% | Marking | Measuring<br>Condition |
|---------------|-------------------------|-----------|-------------------|-------------------------------|---------|------------------------|
| SPIRD7015     |                         |           |                   |                               |         |                        |
| SPIRD70153R3T | 3.3                     | ± 25%     | 2.10              | 0.085                         | ---     | 100KHz, 1V             |
| SPIRD70154R7T | 4.7                     |           | 1.70              | 0.115                         | ---     |                        |
| SPIRD70156R8T | 6.8                     |           | 1.45              | 0.144                         | ---     |                        |
| SPIRD7015100T | 10                      |           | 1.25              | 0.225                         | ---     |                        |
| SPIRD7015150T | 15                      |           | 1.05              | 0.290                         | ---     |                        |
| SPIRD7015220T | 22                      |           | 0.85              | 0.450                         | ---     |                        |
| SPIRD7015470T | 47                      |           | 0.55              | 0.850                         | ---     |                        |
| SPIRD7028     |                         |           |                   |                               |         |                        |
| SPIRD70282R2T | 2.2                     | ± 25%     | 4.00              | 0.028                         | ---     | 100KHz, 1V             |
| SPIRD70282R7T | 2.7                     |           | 3.60              | 0.030                         | ---     |                        |
| SPIRD70283R3T | 3.3                     |           | 3.20              | 0.035                         | ---     |                        |
| SPIRD70284R7T | 4.7                     |           | 2.60              | 0.045                         | ---     |                        |
| SPIRD70286R8T | 6.8                     |           | 2.20              | 0.058                         | ---     |                        |
| SPIRD7028100T | 10                      |           | 1.80              | 0.075                         | ---     |                        |
| SPIRD7028220T | 22                      |           | 1.20              | 0.180                         | ---     |                        |
| SPIRD7028470T | 47                      |           | 0.90              | 0.390                         | ---     |                        |
| SPIRD7028680T | 68                      |           | 0.80              | 0.510                         | ---     |                        |
| SPIRD1015     |                         |           |                   |                               |         |                        |
| SPIRD10152R7T | 2.7                     | ± 25%     | 3.40              | 0.042                         | ---     | 100KHz, 1V             |
| SPIRD10153R3T | 3.3                     |           | 3.00              | 0.057                         | ---     |                        |
| SPIRD10154R7T | 4.7                     |           | 2.60              | 0.071                         | ---     |                        |
| SPIRD10156R8T | 6.8                     |           | 2.10              | 0.106                         | ---     |                        |
| SPIRD1015100T | 10                      |           | 1.80              | 0.140                         | ---     |                        |
| SPIRD1015220T | 22                      |           | 1.20              | 0.288                         | ---     |                        |
| SPIRD1015470T | 47                      |           | 0.80              | 0.654                         | ---     |                        |
| SPIRD1024     |                         |           |                   |                               |         |                        |
| SPIRD10243R9T | 3.9                     | ± 25%     | 3.80              | 0.036                         | ---     | 100KHz, 1V             |
| SPIRD10244R7T | 4.7                     |           | 3.60              | 0.039                         | ---     |                        |
| SPIRD10246R8T | 6.8                     |           | 2.70              | 0.068                         | ---     |                        |
| SPIRD1024100T | 10                      |           | 2.60              | 0.082                         | ---     |                        |
| SPIRD1024150T | 15                      |           | 1.70              | 0.120                         | ---     |                        |
| SPIRD1024220T | 22                      |           | 1.40              | 0.178                         | ---     |                        |
| SPIRD1024330T | 33                      |           | 1.20              | 0.252                         | ---     |                        |