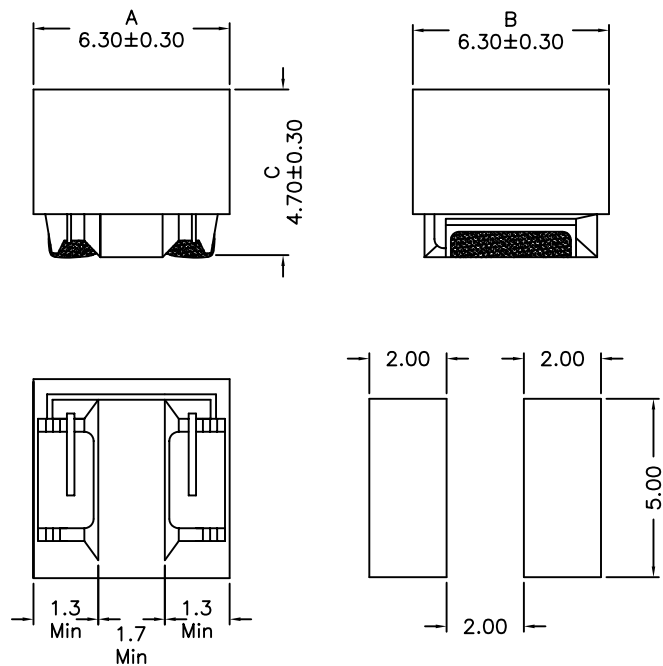


## XFWIC575047SH-xxx SERIES INDUCTORS

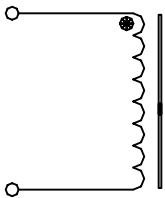
- \* True Surface Mount Design
- \* Low Cost, Extremely High Quality Product
- \* Tape & Reel Packaging Standard, 1000 Pcs per 13”Reel
- \* High Inductance, High Power Ratings For Your Laptop, Palmtop, Point of Power Application
- \* Custom Versions Available At No Extra Charge
- \* Magnetically Shielded

### Dimensions:



Suggested Pad Layout

### Sechematic:



UNLESS OTHERWISE SPECIFIED  
TOLERANCES:  
N/A  
Dimensions in MM

| Part Number        | Inductance (uH) | MEASUREMENT FREQUENCY | DCR (OHM) | SRF MHz Min. | I RATED (A) |
|--------------------|-----------------|-----------------------|-----------|--------------|-------------|
| XFWIC575047SH-R27x | 0.27            | 1MHz                  | 0.006±40% | 300          | 6.0         |
| XFWIC575047SH-R68x | 0.68            | 1MHz                  | 0.008±40% | 180          | 5.3         |
| XFWIC575047SH-1R0x | 1.00            | 1MHz                  | 0.011±40% | 150          | 4.7         |
| XFWIC575047SH-1R5x | 1.50            | 1MHz                  | 0.014±40% | 110          | 3.8         |
| XFWIC575047SH-2R2x | 2.20            | 1MHz                  | 0.016±40% | 80           | 3.3         |
| XFWIC575047SH-3R3x | 3.30            | 1MHz                  | 0.019±40% | 40           | 2.6         |
| XFWIC575047SH-4R7x | 4.70            | 1MHz                  | 0.022±40% | 30           | 2.2         |

M=±20%    K=±10%    J=±5%

## XFWIC575047SH-xxx SERIES INDUCTORS

| Part Number        | Inductance (uH) | MEASUREMENT FREQUENCY | DCR (OHM) | SRF MHz Min. | I RATED (A) |
|--------------------|-----------------|-----------------------|-----------|--------------|-------------|
| XFWIC575047SH-6R8x | 6.80            | 1MHz                  | 0.025±40% | 25           | 1.8         |
| XFWIC575047SH-100x | 10.0            | 1MHz                  | 0.030±40% | 20           | 1.6         |
| XFWIC575047SH-150x | 15.0            | 1MHz                  | 0.059±40% | 17           | 1.3         |
| XFWIC575047SH-220x | 22.0            | 1MHz                  | 0.071±40% | 15           | 1.1         |
| XFWIC575047SH-330x | 33.0            | 1MHz                  | 0.130±40% | 12           | 0.86        |
| XFWIC575047SH-470x | 47.0            | 1MHz                  | 0.150±40% | 10           | 0.76        |
| XFWIC575047SH-680x | 68.0            | 1MHz                  | 0.240±40% | 7.6          | 0.60        |
| XFWIC575047SH-101x | 100             | 100KHz                | 0.300±40% | 6.5          | 0.52        |
| XFWIC575047SH-151x | 150             | 100KHz                | 0.540±40% | 5.0          | 0.42        |
| XFWIC575047SH-221x | 220             | 100KHz                | 0.660±40% | 4.0          | 0.35        |
| XFWIC575047SH-331x | 330             | 100KHz                | 1.400±40% | 3.2          | 0.28        |
| XFWIC575047SH-471x | 470             | 100KHz                | 1.700±40% | 2.5          | 0.24        |
| XFWIC575047SH-681x | 680             | 100KHz                | 3.200±40% | 2.0          | 0.20        |
| XFWIC575047SH-102x | 1000            | 10KHz                 | 3.900±40% | 1.7          | 0.16        |
| XFWIC575047SH-222x | 2200            | 10KHz                 | 7.600±40% | 1.2          | 0.10        |
| XFWIC575047SH-472x | 4700            | 10KHz                 | 15.50±40% | 0.8          | 0.07        |
| XFWIC575047SH-103x | 10000           | 10KHz                 | 34.00±40% | 0.5          | 0.05        |

M=±20% K=±10% J=±5%

### Notes:

1. Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: > 28%
4. Insulation System: Class F 155°C. UL file E151556
5. Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +85°C
6. Storage Temperature Range: -55°C to +125°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity: ±0.004"(0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component

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