

# PM SERIES

## Common mode chokes with Ferrite cores

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Common Mode Chokes

### Features

- Nominal current in each winding (I): from 0,4A to 6,3A.
- Nominal inductance (L): from 0,5mH to 40mH.
- Rated voltage: 440Vac.
- Test voltage: 1,8kVac winding to winding.
- Ambient temperature: -40°C to +50°C.
- Storage temperature: from -40°C to +120°C.
- Plastic case: UL 94V-0.
- Potting resin: UL94V-0.
- According to UL1283.



### Electrical specifications

| Code       | I <sub>ac</sub> (A) | L (mH)<br>at 10kHz<br>+50% / -30% | IZI (Ω)<br>at 100kHz<br>typical | R <sub>dc</sub> (mΩ)<br>maximum | Case |
|------------|---------------------|-----------------------------------|---------------------------------|---------------------------------|------|
| PM400-04HA | 0,4                 | 2x40                              | 70000                           | 2x1200                          | HA   |
| PM6R8-12HA | 1,2                 | 2x6.8                             | 5000                            | 2x200                           | HA   |
| PM3R3-15HA | 1,5                 | 2x3.3                             | 2000                            | 2x110                           | HA   |
| PM0R7-40HA | 4                   | 2x0.7                             | 500                             | 2x16                            | HA   |
| PM400-06HB | 0,6                 | 2x40                              | 400000                          | 2x1000                          | HB   |
| PM200-10HB | 1                   | 2x20                              | 30000                           | 2x360                           | HB   |
| PM6R0-20HB | 2                   | 2x6.0                             | 5000                            | 2x100                           | HB   |
| PM1R5-40HB | 4                   | 2x1.5                             | 1000                            | 2x28                            | HB   |
| PM0R6-63HB | 6,3                 | 2x0.6                             | 300                             | 2x13                            | HB   |
| PM4R0-05VA | 0,5                 | 2x4.0                             | 3000                            | 2x500                           | VA   |
| PM2R0-09VA | 0,9                 | 2x2.0                             | 1600                            | 2x240                           | VA   |
| PM0R5-20VA | 2                   | 2x0.5                             | 400                             | 2x50                            | VA   |
| PM4R0-05VB | 0,5                 | 2x4.0                             | 3000                            | 2x500                           | VB   |
| PM2R0-09VB | 0,9                 | 2x2.0                             | 1600                            | 2x240                           | VB   |
| PM0R5-20VB | 2                   | 2x0.5                             | 400                             | 2x50                            | VB   |
| PM110-06VC | 0,6                 | 2x11                              | 10000                           | 2x600                           | VC   |
| PM4R0-10VC | 1                   | 2x4.0                             | 4000                            | 2x250                           | VC   |
| PM1R0-20VC | 2                   | 2x1.0                             | 900                             | 2x65                            | VC   |
| PM200-10VD | 1                   | 2x20                              | 20000                           | 2x500                           | VD   |
| PM6R0-20VD | 2                   | 2x6.0                             | 5000                            | 2x150                           | VD   |
| PM1R5-40VD | 4                   | 2x1.5                             | 1200                            | 2x36                            | VD   |
| PM0R6-63VD | 6,3                 | 2x0.6                             | 500                             | 2x15                            | VD   |
| PM500-06VE | 0,6                 | 2x50                              | 200000                          | 2x1200                          | VF   |
| PM330-10VE | 1                   | 2x33                              | 70000                           | 2x700                           | VF   |
| PM270-14VE | 1,4                 | 2x27                              | 30000                           | 2x470                           | VF   |
| PM6R8-20VE | 2                   | 2x6.8                             | 5000                            | 2x150                           | VF   |
| PM3R3-40VE | 4                   | 2x3.3                             | 3000                            | 2x58                            | VF   |
| PM2R0-60VE | 6                   | 2x2.0                             | 1600                            | 2x24                            | VF   |

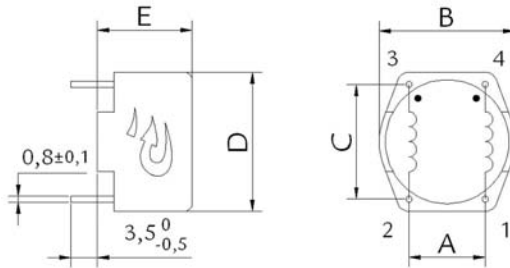
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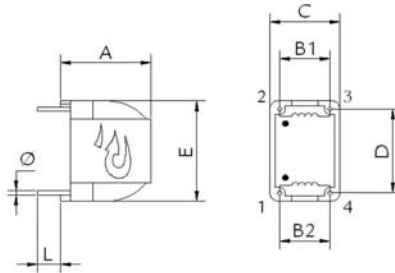
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Dimensions (in mm)



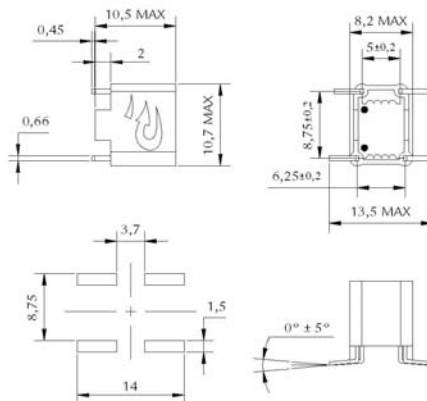
PM-H SERIES

| Code  | A<br>±0,2 | B<br>MAX | C<br>±0,2 | D<br>MAX | E<br>±0,2 |
|-------|-----------|----------|-----------|----------|-----------|
| PM-HA | 10        | 17,8     | 15        | 18,2     | 12,4      |
| PM-HB | 15        | 28       | 25        | 28       | 17,5      |



PM-V SERIES

| Code  | A<br>MAX | B1<br>±0,2 | B2<br>±0,2 | C<br>MAX | D<br>±0,2 | E<br>MAX | Ø PIN<br>±0,1 | L PIN<br>+0/-0,5 |
|-------|----------|------------|------------|----------|-----------|----------|---------------|------------------|
| PM-VA | 10,5     | 5          | 6,25       | 8,2      | 8,75      | 10,7     | 0,6           | 3,5              |
| PM-VC | 13,5     | 7,5        | 7,5        | 10,5     | 12,5      | 15       | 0,6           | 3,5              |
| PM-VD | 24       | 10         | 10         | 13       | 20        | 23       | 0,8           | 3,5              |
| PM-VE | 32       | 15         | 15         | 18       | 12,5      | 32       | 0,8           | 5                |



PM-VB SERIES

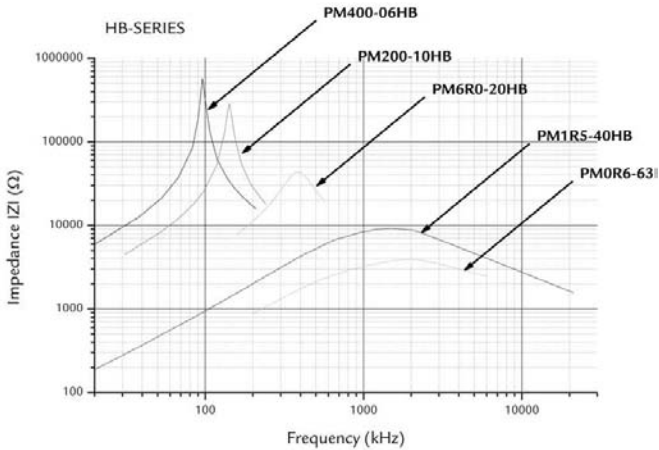
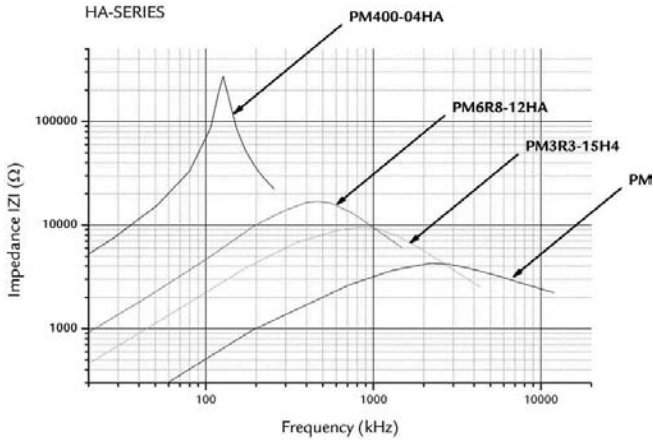
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### Curves: Impedance vs. Frequency



Note:

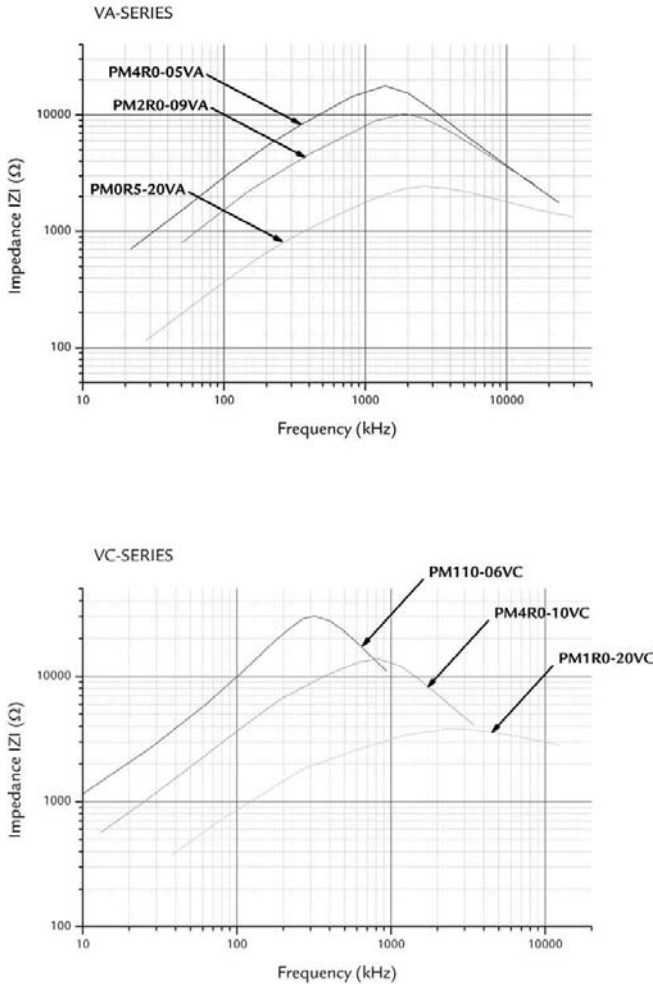
Impedance measurements have been obtained with both windings in parallel and at am

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## Curves: Impedance vs. Frequency



Note:

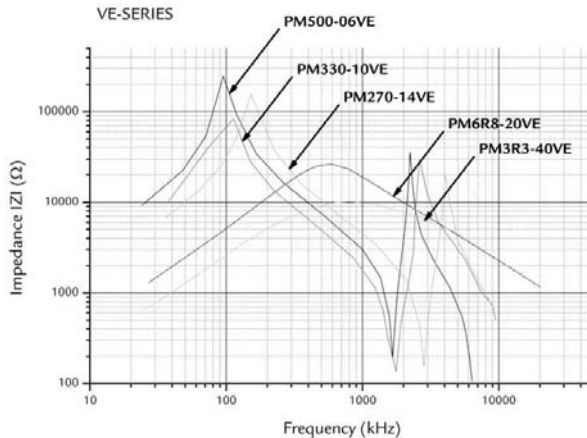
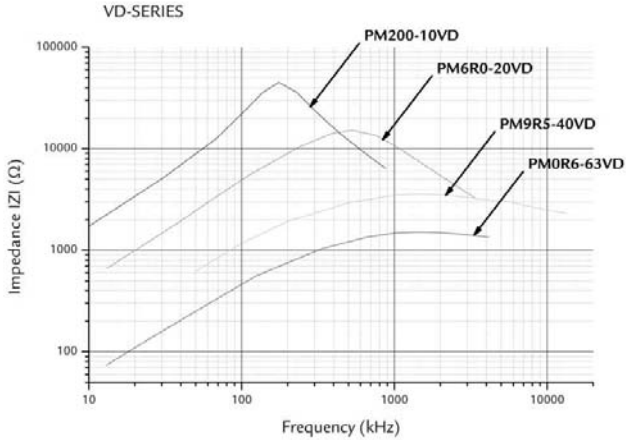
Impedance measurements have been obtained with both windings in parallel and at ambient temperature.

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### Curves: Impedance vs. Frequency



Note:

Impedance measurements have been obtained with both windings in parallel and at ambient temperature.

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