

Common Mode Inductors, Noise Suppression

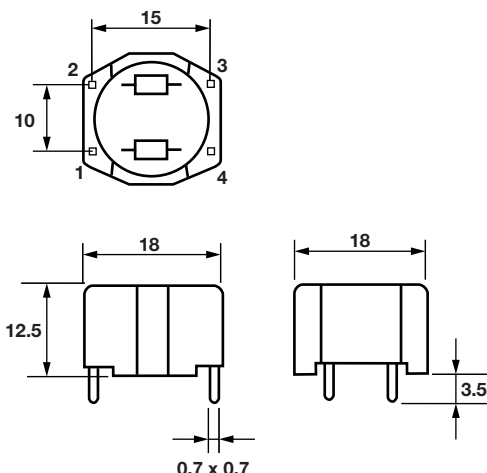


FEATURES

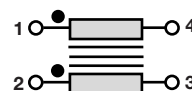
- Copper winding on ferrite toroid in epoxy case
- Phase opposition winding is an excellent filter for asymmetrical (common mode) noise
- Efficiency can be increased with Y-capacitors and X-capacitors to make an EMC filter
- Horizontal mounting, style H
- Main use is switching power supplies

DIMENSIONS in millimeters

SC03 H



ELECTRICAL
DIAGRAM



ELECTRICAL SPECIFICATIONS

| | |
|---------------------------|-----------------------------|
| Nominal operating voltage | 250 V _{RMS} |
| Limiting voltage | 1500 V _{RMS} 50 Hz |

PACKAGING

50 pieces in box

ENVIRONMENTAL SPECIFICATIONS

| | |
|-----------------------------|----------------|
| Operating temperature range | -40 °C +125 °C |
|-----------------------------|----------------|

MARKING

Print marked: manufacturer, model, style, inductance value, nominal current by winding, nominal operating voltage, diagram windings

ORDERING INFORMATION

| | | | | |
|-----------|-----------|--------------------------|------------------|----------------------------|
| SC | 03 | H | 0.47 mH | e3 |
| MODEL | STYLE | VERSION H: horizontal | INDUCTANCE VALUE | LEAD FINISH e3: pure Sn |



SAP PART NUMBERING GUIDELINES

| | | | | | | | | | | | | | | | | | |
|----------|----------|----------|---------------------|----------|-------------------|----------------------------|----------|----------|----------|----------|----------|--|--|--|--|--|--|
| S | C | 0 | 3 | H | 4 | 7 | 1 | N | B | 2 | 5 | | | | | | |
| | | | | | | | | | | | | | | | | | |
| MODEL | STYLE | VERSION | INDUCTANCE VALUE | TOL. | PACKAGING CODE | SPECIAL (IF APPLICABLE) | | | | | | | | | | | |

See the end of this data book for conversion tables

| NOMINAL CURRENT A | BY WINDING | |
|-------------------------|--------------------------------|---------------------------|
| | INDUCTANCE $\pm 30\%$ mH | DCR MAX. m Ω |
| 3.5 | 0.47 (inductance code: 471) | 37 |



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