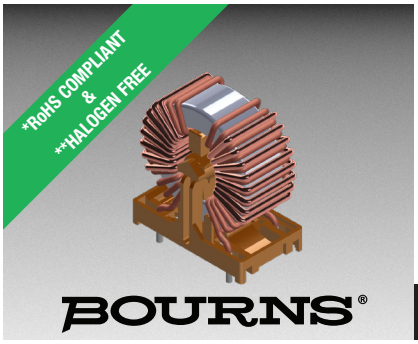


Features

- Compact size
- Broadband damping characteristics
- Excellent attenuation for symmetric and asymmetric noise
- Wide temperature range
- Compliant with EN 138100 standards
- Glue-free construction
- RoHS compliant* and halogen free**

Model 04770x Series Common Mode Choke

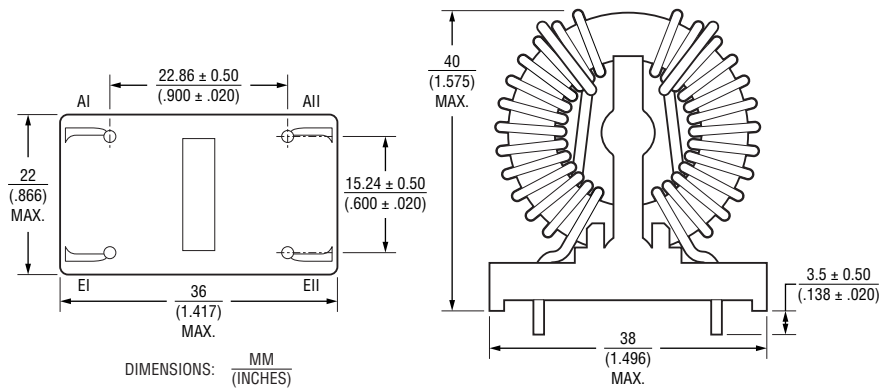
General Specifications @ 25 °C

Bourns Part Number	Inductance (mH ± 30 %)	Current Rating (A)	DC Resistance (Ω)	Dielectric Strength (kVeff)
047700	2 x 1.5	14	0.0073	2.5
047701	2 x 1.8	13	0.008	2.5
047702	2 x 2.2	12	0.0092	2.5
047703	2 x 2.7	11	0.0104	2.5
047704	2 x 3.3	10	0.0115	2.5

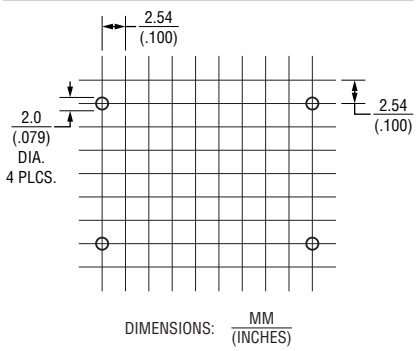
General Specifications @ 25 °C

Core/Material ..... R 31.5/19/12.5 / μi=6000
Transformation Ratio 1:1
Pin Diameter ..... 1.5 mm
Base PA66 A3X2G7, PA6
Spacer (4.0 mm) PA66 A3X2G7, PA6
Operating Temperature ..... -25 °C to +125 °C
Storage Temperature ..... -25 °C to +85 °C

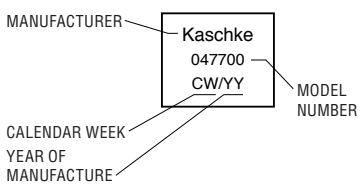
Product Dimensions



Recommended PCB Layout



Typical Part Marking

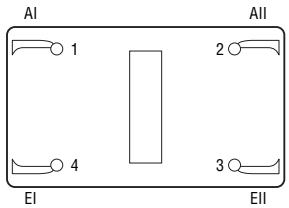


Additional Information

Click these links for more information:

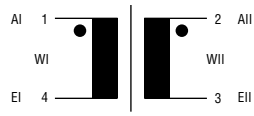
PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

Windings



AI, AII ..... Start of winding
EI, EII ..... End of winding

Schematic



How to Order

Order by Model No 04770x

Packaging Specifications

Tray ..... 48 pcs. per tray

BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117
Email: asiacus@bourns.com
EMEA: Tel: +36 88 885 877
Email: eurocus@bourns.com
The Americas: Tel: +1-951 781-5500
Email: americus@bourns.com
www.bourns.com

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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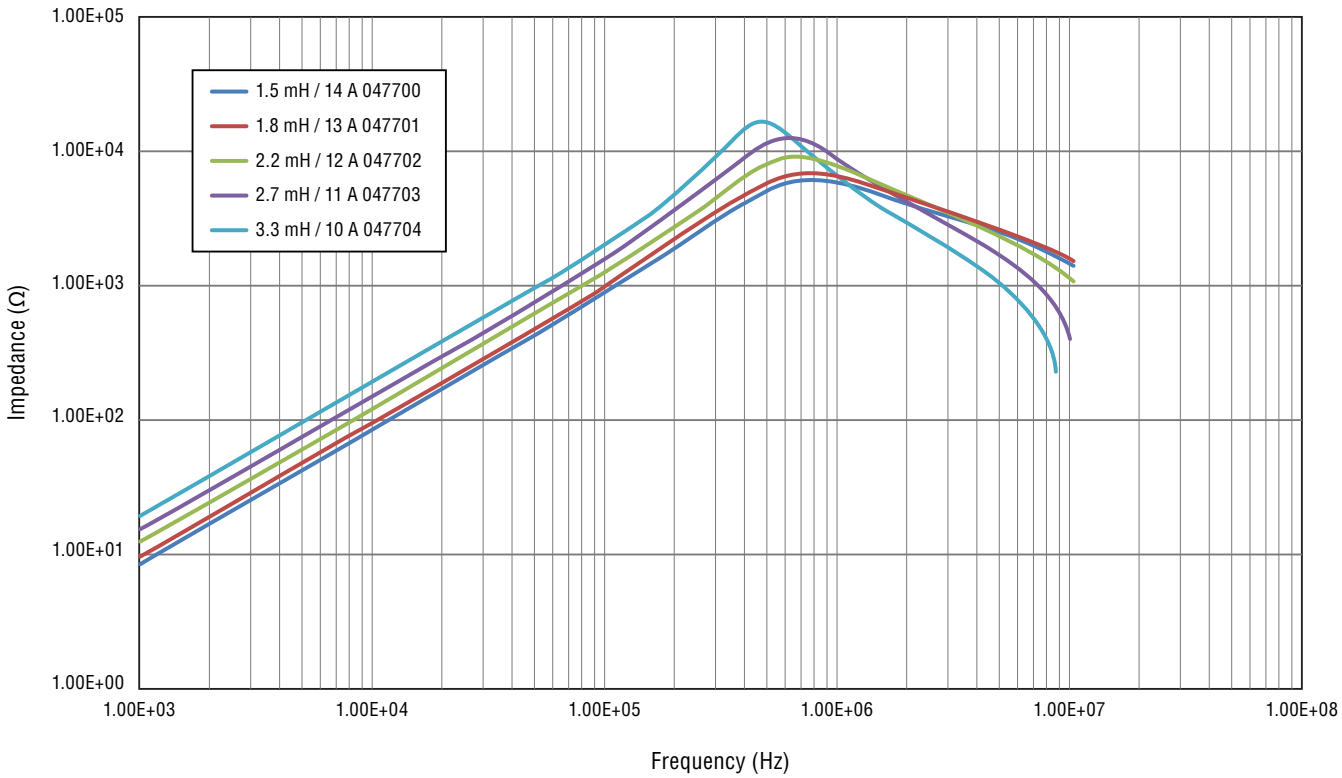
Applications

- Frequency converters
- Wall boxes
- Power supplies
- Drives and control circuits

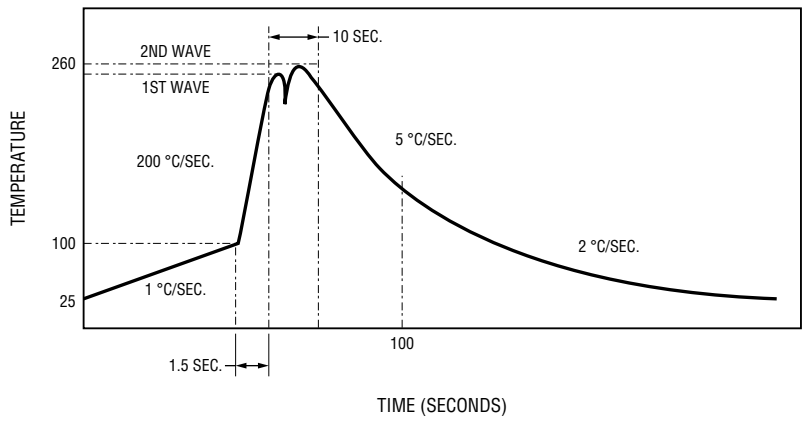
Model 04770x Series Common Mode Chokes

BOURNS®

Impedance



Solder Profile



Profile Feature	Pb-Free Assembly
Average ramp-up rate	~ 200 °C/second
Heating rate during preheat	typical 1-2 °/second max. 4 °/second
Final preheat temperature	within 125 °C of soldering temperature
Peak temperature T_p	260 °C
Time within +0 °C / -5 °C of actual peak temperature	10 seconds
Ramp-down rate	5 °C/second max.

REV. 05/23

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