



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

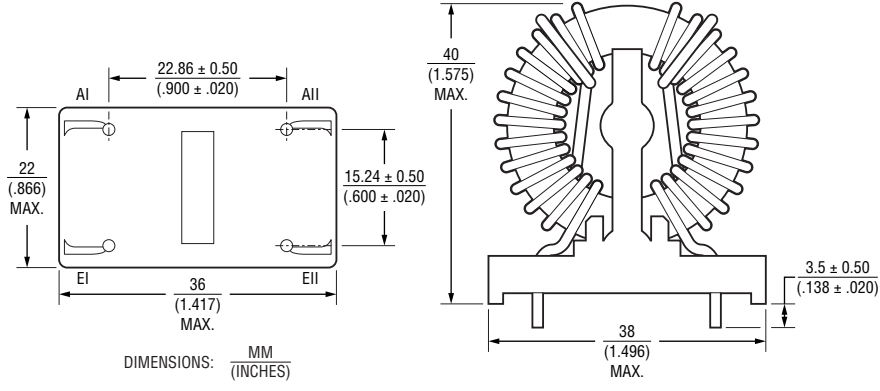
General Specifications @ 25 °C

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

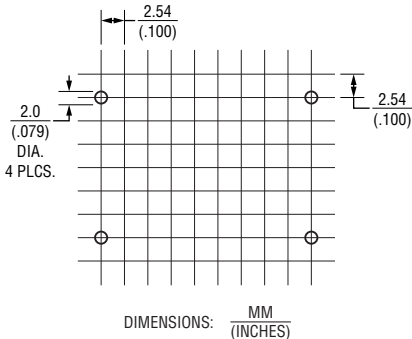
General Specifications @ 25 °C

Core/Material R 31.5/19/12.5 / $\mu_i=6000$
 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

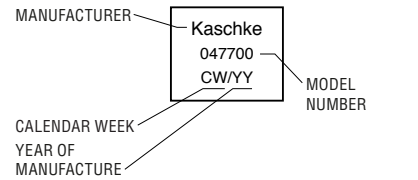
Product Dimensions



Recommended PCB Layout



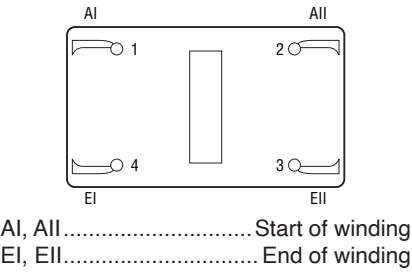
Typical Part Marking



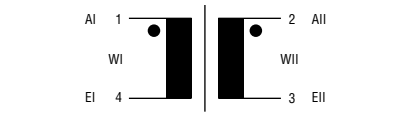
Additional Information

Click these links for more information:
[PRODUCT](#) [TECHNICAL LIBRARY](#) [INVENTORY](#) [SAMPLES](#) [CONTACT](#)

Windings



Schematic



How to Order

Order by Model No 04770x

Packaging Specifications

Tray 48 pcs. per tray

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 Email: americus@bourns.com
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* 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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 Users should verify actual device performance in their specific applications.
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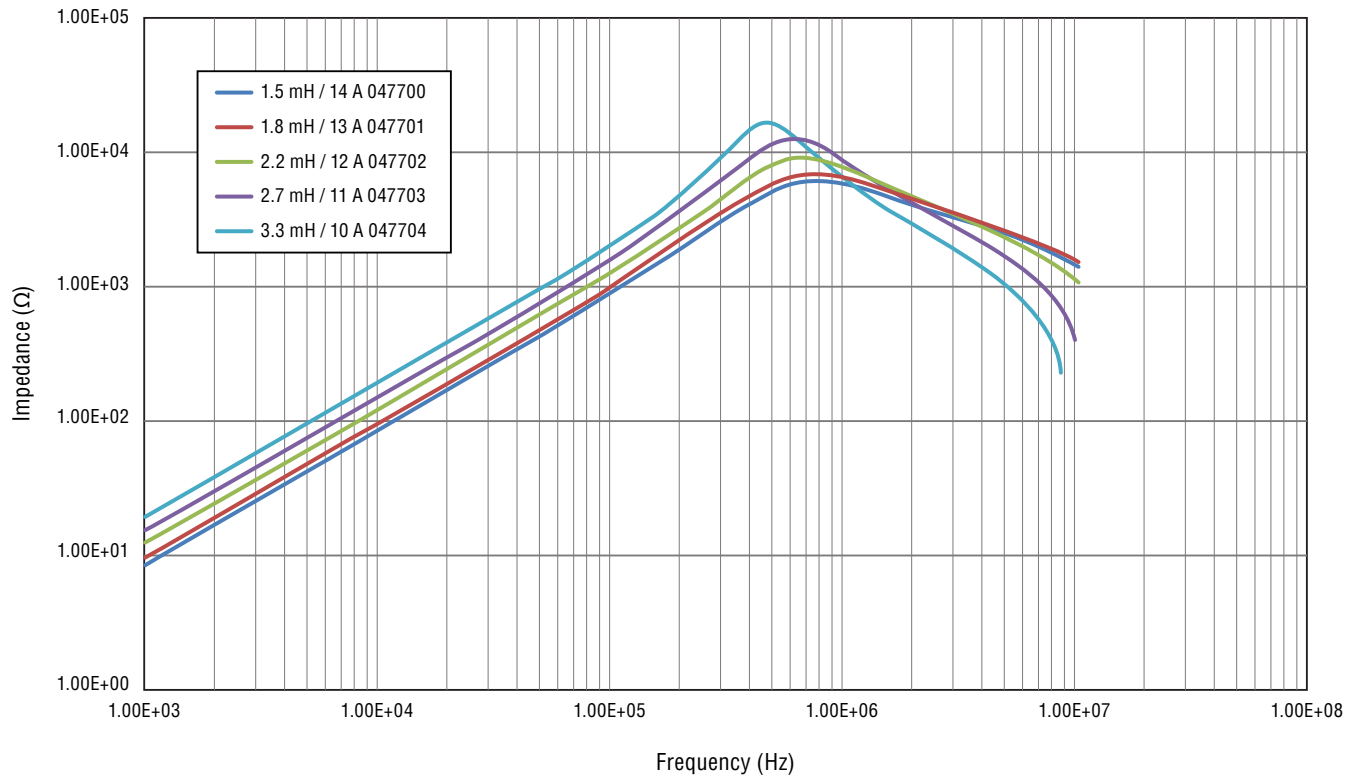
Applications

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

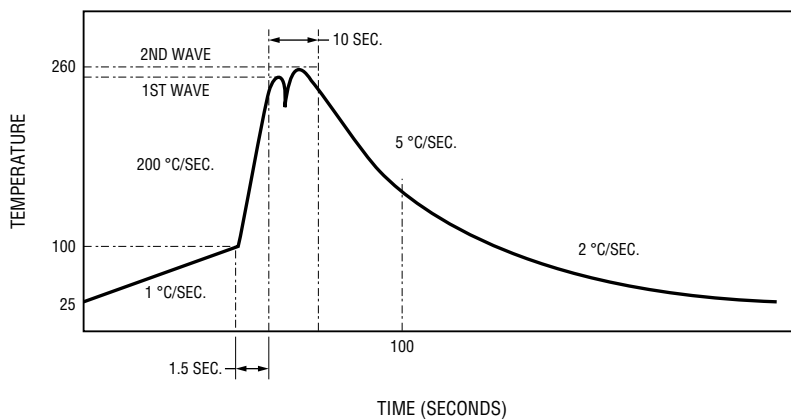
Model 04770x Series Common Mode Chokes

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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