

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

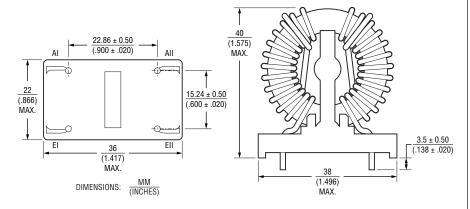
General Specifications @ 25 °C

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

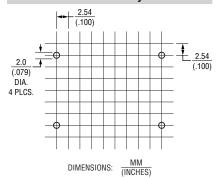
General Specifications @ 25 °C

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	
Storage Temperature	

Product Dimensions



Recommended PCB Layout



Typical Part Marking MANUFACTURER Kaschke 047700 CW/YY MODEL NUMBER YEAR OF MANUFACTURE

Additional Information

Click these links for more information:











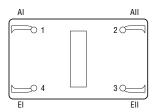
<u>ODUCT</u>

TECHNICAL IN

INVENTORY SAMPLES

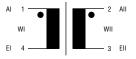
CONTAC

Windings



AI, AII	Start	of	winding
FI FII	Fnd	of	winding

Schematic



How to Order

Order by Model No04770x

Packaging Specifications

Tray48 pcs. per tray

BOURNS

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EMEA: Tel: +36 88 885 877 Email: eurocus@bourns.com

The Americas: Tel: +1-951 781-5500 Email: americus@bourns.com

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Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

^{*} RoHS Directive 2015/863, Mar 31, 2015 and Annex.

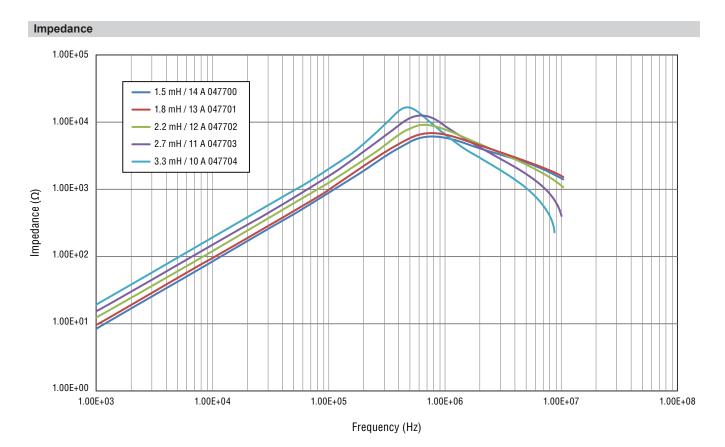
^{**} Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

Applications

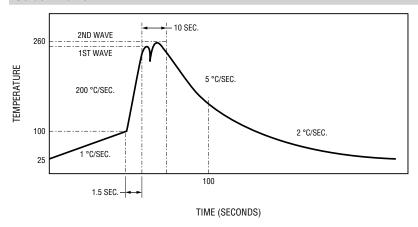
- Frequency converters
- Wall boxes
- Power supplies
- Drives and control circuits

Model 04770x Series Common Mode Chokes

BOURNS







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.		

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