

CHO-STRAP®

Electrically Insulated Ground Strap



Customer Value Proposition:

CHO-STRAP® grounding straps are flexible, double-insulated laminates of copper (inside) and polyester film (outside), with punched and tinned ends to facilitate termination. They provide low-impedance ground paths, thereby reducing radiated EMI problems caused by ordinary wire grounds. They are generally more cost-effective than braided ground straps.

These ground straps are recommended wherever board-to-chassis or chassis-to cabinet grounding is required. Common applications include:

- Grounding a CRT driver board to chassis (very low impedance ground required);
- Grounding one sub-chassis to another;
- Grounding a sub-chassis to main chassis ground;
- Grounding cabinet panels to chassis ground.

Grounds made with ordinary wire (e.g., #18 copper wire) will have high impedance at RF frequencies, and can actually act as an antenna, thereby increasing radiated emission levels.

Braided ground straps are costly and inconvenient because their ends generally require tinning or hole punching by the user, and they must often be insulated to avoid shorting problems in tight quarters.

Contact Information:

Parker Hannifin Corporation
Chomerics Division
77 Dragon Court
Woburn, MA 01801

phone 781 935 4850
fax 781 933 4318
chomailbox@parker.com

www.parker.com/chomerics



Product Features:

- Low RF impedance
- Meets UL 94 V-1* flammability requirements
- Reduces EMI radiated emissions
- Very flexible
- Simple installation
- REACH Compliant
- Pure Tinned contacts for corrosion resistance
- Flame retardant adhesive system
- High dielectric strength exterior
- Wide range of standard sizes
- RoHS Compliant

*Recognized under the Component Program of Underwriters Laboratories, Inc.

CHO-STRAP® - Available Profiles

CHO-STRAP ground straps are supplied in a variety of standard widths and lengths (see Table 1). Standard construction is 5-oz. rolled annealed copper, laminated on both sides to 1-mil polyester film with a flame retardant polyester adhesive. Ends are punched with 0.187" dia. holes (4.75 mm dia.) for ease of installation with #10 screws. A 1/2" (12.7 mm) tinned area at each end prevents oxidation of the termination contact area.

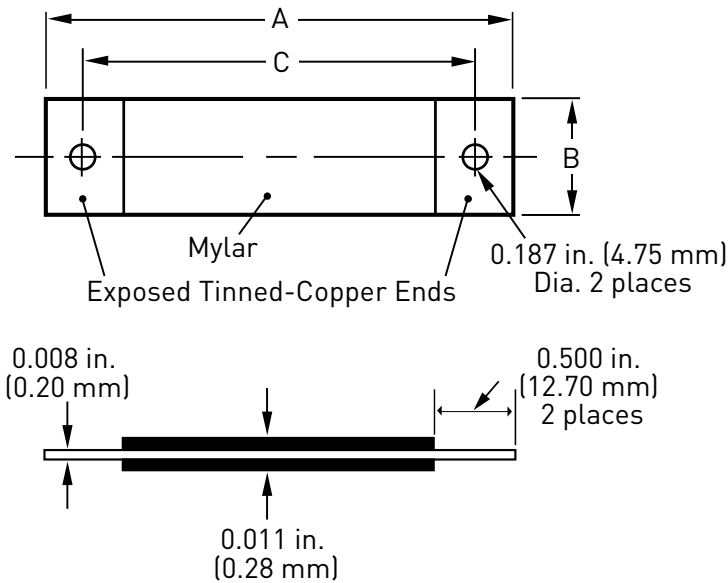


Table 1

Part Number	Nominal Dimensions, inches (mm)		
	A	B	C
L-1011-3	3.0 (76.2)	0.500 (12.7)	2.5 (63.5)
L-1011-6	6.0 (152.4)	0.500 (12.7)	5.5 (139.7)
L-1011-9	9.0 (228.6)	0.500 (12.7)	8.5 (215.9)
L-1011-12	12.0 (304.8)	0.500 (12.7)	11.5 (292.1)
L-1011-15	15.0 (381.0)	0.500 (12.7)	14.5 (368.3)
L-1012-3	3.0 (76.2)	1.000 (25.4)	2.5 (63.5)
L-1012-6	6.0 (152.4)	1.000 (25.4)	5.5 (139.7)
L-1012-9	9.0 (228.6)	1.000 (25.4)	8.5 (215.9)
L-1012-12	12.0 (304.8)	1.000 (25.4)	11.5 (292.1)
L-1012-15	15.0 (381.0)	1.000 (25.4)	14.5 (368.3)

Other sizes available.

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