CHO-STRAP® INSULATED GROUND STRAP™

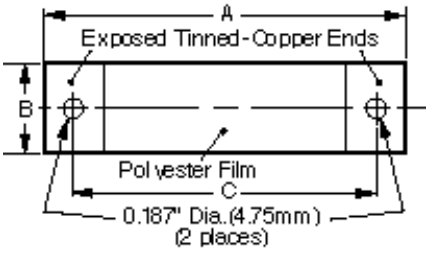
FEATURES

- Low RF impedance
- Passes all requirements of UL specification 94V0*
- Reduces EMI radiated emissions
- Very flexible
- Simple installation
- Tinned contacts for corrosion resistance
- Flame retardant adhesive system
- High dielectric strength exterior
- Wide range of standard sizes

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 at RF frequencies, 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:

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

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.

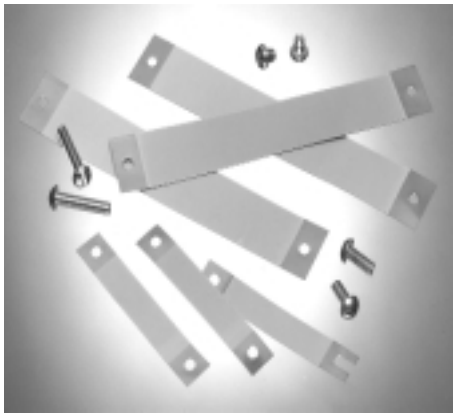


TABLE 1 STANDARD CHO-STRAP SIZES

Part No.	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-1011-18	18.0 (457.2)	0.500 (12.7)	17.5 (444.5)
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)
L-1012-18	18.0 (457.2)	1.000 (25.4)	17.5 (444.5)

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

CHOMERICS
Parker Seals
www.chomerics.com

Chomerics,
Div. of Parker Hannifin
77 Dragon Court
Woburn, MA 01888-4014
Tel: 781-935-4850
FAX: 781-933-4318

Parker Hannifin PLC
Chomerics Europe
Parkway, Globe Park
Marlow, Bucks, SL7 1YB, United Kingdom
Tel: (44) 1628 404000 FAX: (44) 1628 404090
France Freephone Tel: (0590) 8170
Germany Freephone Tel: (0130) 818074

Parker Hannifin Hong Kong Ltd.
Chomerics Sales Department
8/F King Yip Plaza
9 Cheung Yee Street, Cheung Sha Wan
Kowloon, Hong Kong
Tel: (852) 2428 8008
Fax: (852) 2480 4256

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