



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



SOFT-SHIELD® 4850

UL 94 V-0 Certified, Multi-planar EMI Gaskets



Customer Value Proposition:

SOFT-SHIELD® 4850 represents the latest advancement in EMI shielding gaskets based on Multi-planar, Z-axis conductive foam technology. SOFT-SHIELD 4850 is based on the unique integration of electrically conductive silver-plated fibers into a low density urethane foam providing the basis for a performance driven cost effective EMI shielding solution. Through the optimization of conductive fiber construction, loading and dispersion within the foam matrix, SOFT-SHIELD 4850 provides superb Z-axis conductivity with extremely short ground paths. Since the integrity of the base foam is uncompromised, SOFT-SHIELD 4850 offers exceptional physical and mechanical properties. Offered in bulk roll form or custom die-cut shapes.



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.chomerics.com
www.parker.com/chomerics

Product Features:

- UL94 V-0 rating
- Very low closure force
- Stable electrical performance (through resistance) after multiple closure cycles
- Excellent through resistance (< 30 milliohm @ 25% gasket deflection)
- Non-nickel bearing material (silver plated fibers)
- RoHS compliant
- Roll form compatible with high speed/ low cost part conversion
- Z-axis conductivity allows compartmental shielding
- At low deflection (5%) 4850 demonstrates optimal electrical performance.

- A uniform electrically conductive (silver plated, copper particle) acrylic pressure sensitive adhesive (PSA) is available on one side.

Typical Applications:

- Applicable for I/O panels, backplanes, connectors, access panels and rectangular/square strip gasket seals
- Telecom Infrastructure rack and enclosure components
- Servers and desktop PCs
- LCD/PDP large screen TV's
- Indoor electronics application requiring UL94 V-0 rating

SOFT-SHIELD® 4850 - Product Information

Table 1 - Typical Properties

Typical Properties	SOFT-SHIELD® 4850	Test Method
Compression-Deflection 3mm Thick sample	25% - 2.5 psi (17.2 kPa) 50% - 4.3 psi (29.6 kPa)	ASTM C165 (Mod.)
Through-Resistance	[See Figure 1]	--
Shielding Effectiveness 20MHz to 10 GHz	Average: 95 (dB)	CHO-TM-TP08
Gasket Compression Set	<15%	ASTM D3574
Tensile Strength 3mm Thick sample	9.9 lbs./in ² psi (68.3 kPa)	ASTM D412 (Modified)
Electrically Conductive Acrylic PSA Peel Strength	15 oz./inch	ASTM D1000 (Modified to 90° peel)
Flammability	V-0	UL 94
Operating Temperature	-40° to 70° C	--

Figure 1

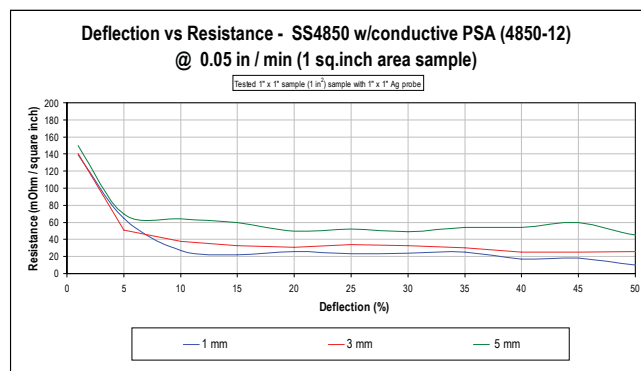
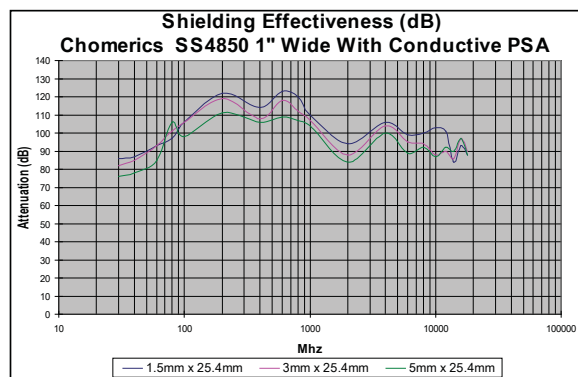


Figure 2



ORDERING INFORMATION:

Table 2 - Part Numbering (Bulk Roll)

4850	—	1X	—	0610	—	ZZZZ
SOFT-SHIELD® 4850 Family		Material		Width mm (inches)		Thickness mm (inches) (ex. 0150 = 1.5 mm)
		0 = No PSA 2 = Conductive PSA		610 (24)		0100 1.0 (.039) 0300 3.0 (.118) 0150 1.5 (.060) 0400 4.0 (.157) 0200 2.0 (.078) 0500 5.0 (.197)

Table 3 - Custom Part Numbering

4850	—	L	XXXX
SOFT-SHIELD® 4850 Family			LXXXX
			Custom die-cut shape with or without PSA assigned by Parker Chomerics

For custom die-cut parts, contact Parker Chomerics Inside Sales

www.chomerics.com
www.parker.com/chomerics

CHOMERICS and SOFT-SHIELD are registered trademarks of Parker Hannifin Corporation. © 2010

TB 1022 EN April 2012 Rev C



ENGINEERING YOUR SUCCESS.