SCHLEGEL
electronic materials
a member of eMEI Group

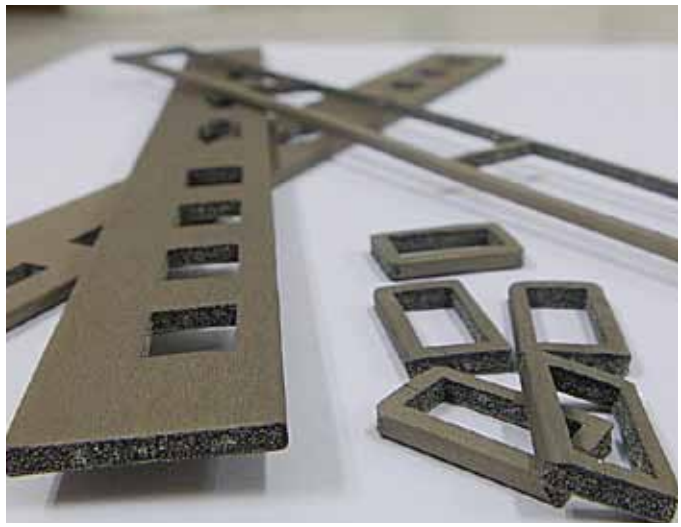
ORS-II

THE BROADBAND SOLUTION FOR I/O's

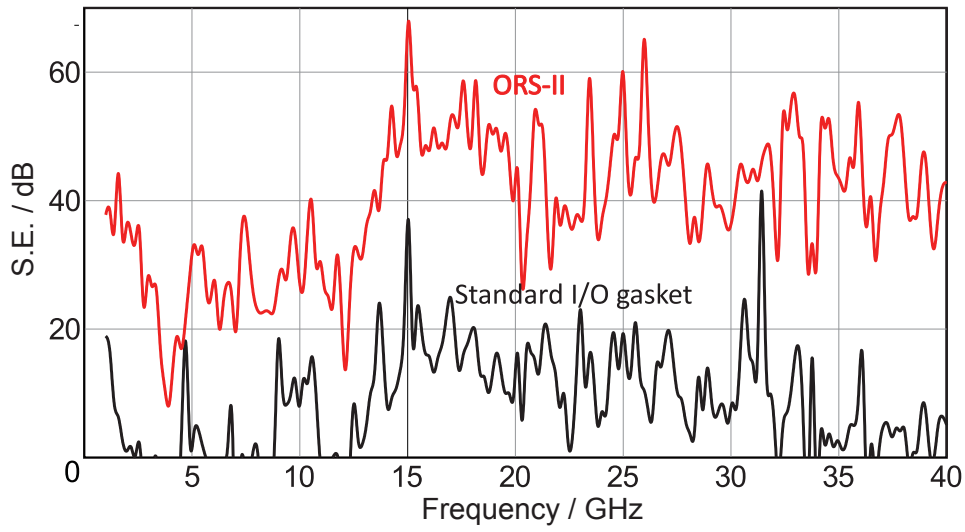
Schlegel Electronic Materials (SEM) introduces ORS-II, a new series of gaskets specially designed for broadband applications. By combining its famous nickel copper plated conductive foam and its high-end nickel copper C12 flexible fabric cladding, ORS-II offers minimal surface resistance to achieve superior grounding and shielding results at low frequencies. By offering excellent Z-conductivity for shortened current paths, ORS-II ensures as well, substantial shielding performance at high frequencies.

ORS-II is available in a variety of thicknesses, which are die-cut to customer specifications, for a durable highly conductive product in all X-Y-Z axis. In addition, shielding efficiency is achieved with less sensitivity to compression variances than other traditional shielding products. ORS-II is available with a UL94-VO flammability rating and complies with RoHS European Directive and SVHC Policy (REACH).

All these combined features in one product, makes ORS-II a great engineering solution when addressing shielding challenges in broadband applications.



ORS-II is available in a multitude of geometries and in varying thicknesses. ORS-II is recommended for a wide range of die-cut I/O connector applications, and is particularly effective in lower frequencies where ESD is of concern and is far more effective than standard conductive foam when superior grounding is important.



Shielding Effectiveness of ORS-II versus Standard I/O

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electromagnetic interference shielding products

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TECHNICAL SPECIFICATIONS

Shielding Effectiveness 1-40 GHz	See Graph	Stripline method (IEEE std 1302)
Operation Temperature	-40°F +156°F (-40°C +70°C)	
Flammability	UL94 V0	UL94
Surface Resistivity	<0.02 Ohm/sq. : NiCu-C12 <0.08 Ohm/sq. : NiCu-C22	SEM LP 3004
Contact Resistance (@1Kg load)	<0.11 Ohm-inch: NiCu-C12 <0.20 Ohm-inch: NiCu-C22	SEM LP 3001
Abrasion Resistance	1.000.000 cycles	ASTM D3886
Thicknesses (mm)	1.00,1.50,2.30,3.40,5.00	

ORS-II Part Number Guideline:
CF-48-XX-YYYYY-G

XX : Thickness 10 : 1.00 mm , 15: 1.50 mm , 20: 2.30 mm , 30: 3.40 mm , 50: 5.00 mm

YYYYY : Width in the form YYY,YY mm

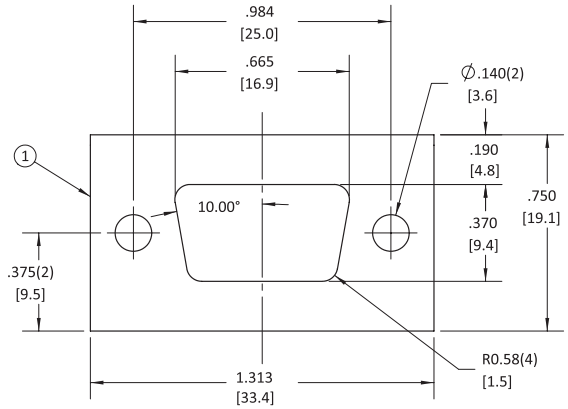
G: Die-cut according to customer drawing

D-Sub Connectors

Please refer to specific drawings available on SEM Profile Selection Guide

P/N	PIN	Thickness	Width
E2CZ4G-0131	9	0.04" (1.00 mm)	0.75" (19.05mm)
E2DZ4G-0131	9	0.09" (2.30 mm)	0.75" (19.05mm)

D-sub profile including 15 Pin,25 Pin, 37 Pin & 50 Pin with 1.0 mm, 1.5 mm, 2.30 mm, 3.40 mm and 5.00 mm are also available. Please contact your sales or customer service respresntative for the details.



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