

Fabric-Over-Foam EMI Shielding Gaskets

775GT

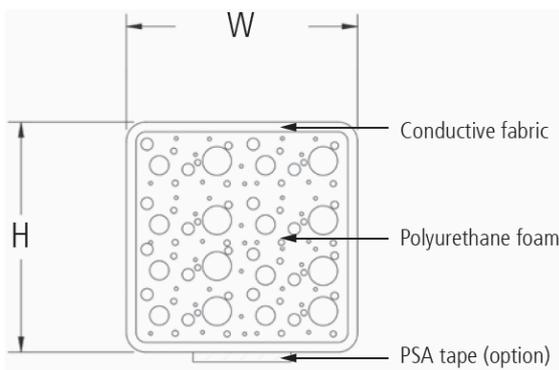
Description

Laird Fabric-over-Foam (FoF) 775GT provides excellent EMI shielding performance for customers where EMI issues occur. The 775GT EMI gaskets are composed of electrically conductive fabric wrapped around a soft urethane foam core. They are supplied with a conductive pressure sensitive adhesive (PSA). The 775GT EMI gaskets are halogen free products that can be created with cross-section profiles such as rectangle, D shape, and others. The gaskets can be further customized to an application by die-cutting, hole punching, notching, etc.

Features and Benefits

- Extremely low compression forces allow for use of lighter materials
- Abrasion resistant metalized fabric shows virtually no degradation in shielding performance after 1,000,000 cycles (ASTM D3886)
- Urethane foam core provides low compression set ensuring long-term reliable gasket performance
- Service temperatures from -40°F to 158°F (-40°C to 70°C)

Composition of Product



775GT Typical Properties

Properties	Unit	Value	Test Method
Shielding Effectiveness [^]			MIL STD 83528C
@100MHz	dB	100	
@ 1GHz		105	
Z-axis Resistance @25% compression	Ohm	<0.05	-
Compression Set	%	<25	ASTM D3574
Operation Temp.	°C	-40 ~ 70	-
Shelf Life		12 months @23°C / 60% R.H.	

* Above data were based on dimension of 10mm(W)x 8mm(H).

[^]: Typical value

Foam: Polyurethane Foam

Properties	Unit	Value
Color		Charcoal
Density	Kg/m ³	50±5
Tensile Strength	kPa	>115
Elongation	%	>110
Hardness [^]	kgf	28

[^]:Typical value

Fabric: Conductive Fabric(3035-775)

Properties	Unit	Value
Physical Properties		
Fabric substrate		Polyester
Metals		Ni / Cu
Color		Gray
Electrical Properties		
Surface Resistivity (fabric side)	Ω/□	<0.05

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