

MIL Grade moderate to High EMI shielding applications



DESCRIPTION

SSDP Silver Plated Conductive Elastomers are:

- Silicone/Fluorosilicone Elastomers filled with Silver - plated Copper/ Aluminium particles
- These offer moderate to high EMI shielding effectiveness
- These are available in various forms

APPLICATION

- SSDP Silver Plated Conductive Elastomers are recommended for use in applications where moderate to high EMI shielding is required
- For aerospace applications which require the elastomer to be Jet fuel resistant, Fluoro silicone elastomer is recommended

TECHNICAL SPECIFICATION:

Parameter	Material					
	777	777'F'	888	888'A'	888'C'*	888'F'
MIL-DTL-83528 equivalent	Type 'B'	Type 'D'	Type 'A'	Type 'K'	—	Type 'C'
Elastomer	Silicone	Fluorosilicone		Silicone		Fluorosilicone
Conductive Filler	Ag-Al			Ag-Cu		
Volume Resistivity (ohm-cm, max.)	0.008	0.012	0.004	0.005	0.03	0.01
Durometer (Shore A ± 7)	65	70	65	85	65	75
Specific Gravity (±13%)	2.0			3.5		
Tensile Strength (psi, min.)	200	180	200	400	100	180
Elongation (percent min./max.)	100/300	60/260	100/300		75(min.)	100/300
Tear Strength (lb/in, min.)	30	35	25	40	20	35
Temperature Range (°C)	-55 to +160		-55 to +125	-45 to +125	-55 to +125	

EMI SHIELDING PERFORMANCE:

Frequency	Shielding Effectiveness(dB)					
	777	777'F'	888	888'A'	888'C'*	888'F'
200KHz (H-Field)	60	55	70		60	70
100MHz (E-Field)	115	110	120		100	120
10GHz (Plane Wave)	100	90	120		80	110

*For extruded profiles