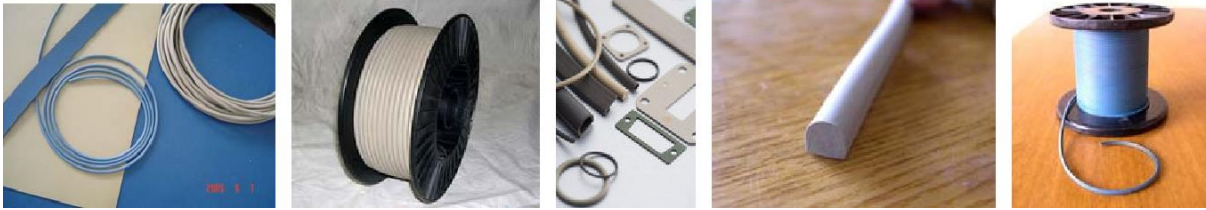




## Conductive Elastomer



Conductive Elastomers are manufactured out of metal powder and silicon. They have excellent EMI shielding effectiveness and environmental sealing. The conductive fillers are nickel graphite, silver glass, silver aluminum and silver copper.

Shielding Source offers standard sizes and shapes. We also extrude, mold and die-cut any shapes or sizes that your design requires.

### Specifications

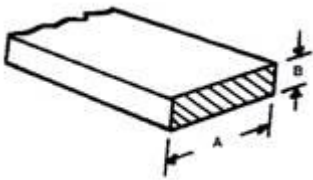
Conductive Particles	Carbon	Nickel Graphite	Silver Glass	Silver Nickel	Silver Aluminum	Silver Copper	Silver Low Density
MIL-G-83528 Type	N/A	N/A	M	L	B, D	A, C, K	J
Operating Temperature							
Min (°C)	-55	-55	-55	-55	-55	-55	-55
Max (°C)	175	200	200	180	200	125	160
Specific Gravity	1.2	1.95	1.8	4	2	3.5	1.7
Hardness (Shore A) Durometer	70	70	65	75	65	65/75/85	45
Compression Deflection (% min)	3.5	3.5	3.5	3.5	3.5	3.5	8
Tensile Strength (lbs/sq-in)	450	150	200	200	200	200	150
Elongation (%)	3.5	3.5	3.5	3.5	3.5	3.5	8
Volume Resistivity (ohm-cm) 8		0.1	0.005	0.005	0.008	0.004	0.001
Shielding Effectiveness: (20mhz-10ghz)	40	80	110	100	110	110	80
EMP survivability	yes	yes	yes	yes	yes	yes	yes

**Flat sheet** Unit: mm

Thickness	Tolerance	Width x Length in mm			
		254 x 254	254 x 381	381 x 508	457 x 457
0.51 mm	+/- 0.10 mm				
0.81 mm	+/- 0.13 mm				
1.02 mm	+/- 0.15 mm				
1.57 mm	+/- 0.18 mm				

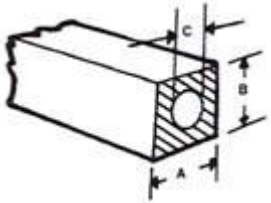
**Rectangular Strip** Unit: mm

Part No.	Size in mm		Part No.	Size in mm	
	A	B		A	B
SSCE4000-0100	1.60	1.07	SSCE4000-0120	3.96	1.57
SSCE4000-0105	2.41	1.57	SSCE4000-0125	6.35	1.57
SSCE4000-0110	3.05	1.91	SSCE4000-0130	12.70	1.91
SSCE4000-0115	3.18	1.57	SSCE4000-0135	12.70	3.18



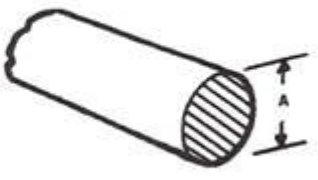
**Hollow rectangular tube** Unit: mm

Part No.	size		
	A	B	C
SSCE4100-0100	8.38	7.75	3.18
SSCE4100-0105	9.53	9.53	4.78



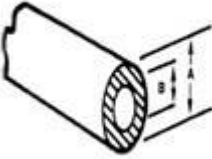
**Round shape strip** Unit: mm

Part No.	A	Recommend notch size		Part No.	A	Recommend notch size	
		W	H			W	H
		SSCE4200-0100	1.02			1.27	0.76
SSCE4200-0105	1.35	1.57	1.02	SSCE4200-0135	2.84	3.07	2.34
SSCE4200-0110	1.57	1.78	1.19	SSCE4200-0140	3.02	3.30	2.29
SSCE4200-0115	1.78	2.11	1.27	SSCE4200-0145	3.18	3.53	2.36
SSCE4200-0120	2.03	2.29	1.52	SSCE4200-0150	3.30	3.50	2.72
SSCE4200-0125	2.36	2.62	1.78	SSCE4200-0160	3.53	3.99	2.56
SSCE4200-0175	5.49	6.12	4.06	SSCE4200-0165	3.81	4.01	3.12
SSCE4200-0180	6.35	6.98	4.75	SSCE4200-0170	4.06	4.27	3.33



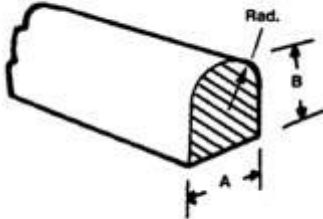
**Hollow round tube** Unit: mm

Part No.	Diameter		Notch size		Part No.	Diameter		Notch size	
	A	B	W	H		A	B	W	H
SSCE4300-0100	3.18	1.14	3.30	2.23	SSCE4300-0130	11.10	6.35	7.52	11.40
SSCE4300-0105	3.96	1.27	4.06	2.76	SSCE4300-0090	2.29	1.27	2.36	1.55
SSCE4300-0110	6.35	3.18	5.71	3.81	SSCE4300-0095	2.62	1.02	2.72	1.85
SSCE4300-0120	7.92	4.88	8.05	3.96	SSCE4300-0101	3.18	1.57	3.30	1.95
SSCE4300-0125	9.53	6.35	9.65	4.49	SSCE4300-0104	3.68	1.78	--	--



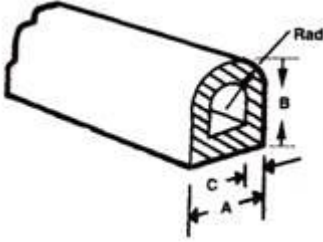
**D shape strip** Unit: mm

Part No.	Size			Recommend notch size	
	A	B	R(rad)	W	H
SSCE4400-0100	1.63	4.10	0.79	--	--
SSCE4400-0105	1.57	1.73	0.79	1.65	1.29
SSCE4400-0110	2.39	1.98	1.19	2.46	1.50
SSCE4400-0115	1.98	2.26	0.99	2.03	1.67
SSCE4400-0120	1.57	2.54	0.78	1.65	1.90
SSCE4400-0125	3.81	2.79	1.91	3.93	2.10
SSCE4400-0130	3.10	3.43	1.55	3.17	2.56
SSCE4400-0135	3.00	3.96	1.49	3.04	2.97
SSCE4400-0140	4.52	4.45	2.26	4.60	3.32
SSCE4400-0145	6.35	6.35	3.18	6.47	4.75



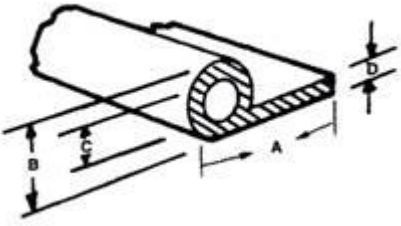
**Hollow D tube** Unit: mm

Part No.	Size				Notch Size	
	A	B	R(rad)	C	W	H
SSCE4500-0100	3.96	3.96	1.98	1.14	4.06	2.36
SSCE4500-0105	4.75	4.75	2.36	1.27	4.90	2.71
SSCE4500-0110	6.35	6.35	3.18	1.65	6.47	3.81
SSCE4500-0120	7.92	7.92	2.84	1.57	8.12	4.49
SSCE4500-0125	12.37	12.37	6.20	2.03	12.70	6.35



**P shape strip** Unit: mm

Part No.	Size			
	B	C	A	D
SSCE4600-0100	5.08	2.03	21.59	1.57
SSCE4600-0101	5.08	2.03	12.07	1.57
SSCE4600-0105	6.35	3.18	12.70	1.57
SSCE4600-0110	6.35	3.18	15.88	1.57
SSCE4600-0120	6.35	3.81	15.88	1.57
SSCE4600-0125	7.92	4.75	22.22	1.57
SSCE4600-0130	9.14	6.48	19.81	1.79
SSCE4600-0136	3.56	2.54	6.99	0.76



**U Shape strip** Unit: mm

Part No.	Size			
	A	B	C	D
SSCE4700-0100	2.54	2.54	0.86	0.84
SSCE4700-0105	3.20	2.79	0.64	1.27
SSCE4700-0110	3.20	5.72	0.51	1.91
SSCE4700-0115	3.96	3.96	1.57	1.19
SSCE4700-0120	4.45	3.96	1.19	1.91
SSCE4700-0125	8.31	5.97	1.57	1.57

