

Connector EMI Suppression Plates



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To provide suppression of conducted EMI at critical interfaces Fair-Rite has available a line of suppression plates that can be used with many types of connectors. All connector plates are supplied in the NiZn 44 grade ideally suited for this application because of its high impedance along with a high resistivity.

- Connector plates are controlled for impedances only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is typically the listed typical impedance less 20%. Single turn impedance tests are performed on the 4193A Vector Impedance Analyzer, **using the shortest practical wire length**.
- Performance curves for these suppression components are on our web site.
- The “C” dimension can be modified to suit specific applications.
- For any connector EMI suppression plate requirement not listed here, feel free to contact our customer service group for availability and pricing.
- Explanation of Part Numbers: Digit 1&2 = product class and 3&4 = the 44 material grade.

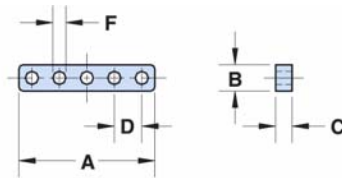


Figure 1

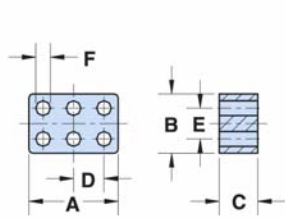


Figure 2

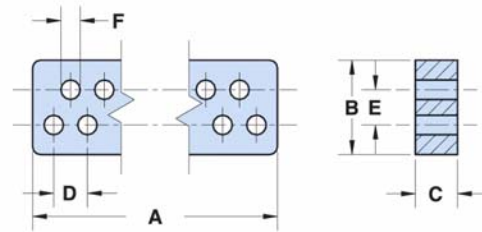


Figure 3

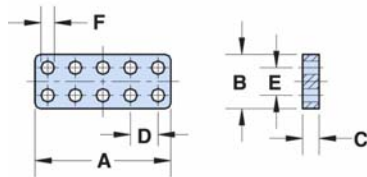


Figure 4

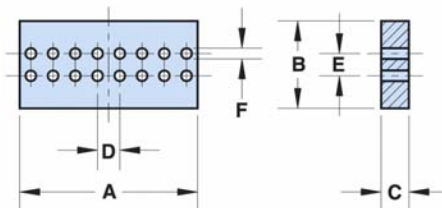


Figure 5

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Legend

Dimensions (Top numbers are in millimeters, bottom numbers are in nominal inches.)

+ Test frequency

Connector Plates

Part Number	Fig.	Holes	Rows	A	B	C	D	E	F	Wt. (g)	Impedance (Ω)	
											25 MHz ⁺	100 MHz ⁺
2644246701	1	5	1	12.52 ±0.13 0.493	2.54 Max 0.100 Max	1.52 ±0.13 0.060	2.54 ±0.13 0.100	-	1.22 ±0.07 0.048	0.18	13	28
2644246201	2	6	2	5.86 ±0.10 0.231	3.86 ±0.10 0.152	1.52 ±0.13 0.060	2.00 ±0.08 0.079	2.00 ±0.08 0.079	0.82 ±0.10 0.034	0.14	14	28
2644245701	2	6	2	7.44 ±0.10 0.293	4.90 ±0.10 0.193	1.52 ±0.13 0.060	2.54 ±0.13 0.100	2.54 ±0.10 0.100	1.22 ±0.07 0.048	0.22	13	28
2644236101	3	9	2	14.40 ±0.15 0.567	7.75 -0.25 0.300	3.43 ±0.13 0.135	2.75 ±0.13 0.108	2.85 ±0.13 0.112	1.60 ±0.08 0.062	1.60	30	51
2644236401	3	9	2	14.40 ±0.15 0.567	7.75 -0.25 0.300	6.86 ±0.13 0.270	2.75 ±0.13 0.108	2.85 ±0.13 0.112	1.60 ±0.08 0.062	3.20	56	91
2644247001	4	10	2	12.52 ±0.13 0.493	4.94 ±0.14 0.194	1.52 ±0.13 0.060	2.54 ±0.13 0.100	2.54 ±0.10 0.100	1.22 ±0.07 0.048	0.37	13	28
2644247101	4	10	2	12.52 ±0.13 0.493	4.94 ±0.14 0.194	3.05 ±0.13 0.120	2.54 ±0.13 0.100	2.54 ±0.10 0.100	1.22 ±0.07 0.048	0.74	23	40
2644236301	3	15	2	22.55 ±0.25 0.888	7.75 -0.25 0.300	3.43 ±0.13 0.135	2.75 ±0.13 0.108	2.85 ±0.13 0.112	1.60 ±0.08 0.062	2.40	30	51
2644236501	3	15	2	22.55 ±0.25 0.888	7.75 -0.25 0.300	6.86 ±0.13 0.270	2.75 ±0.13 0.108	2.85 ±0.13 0.112	1.60 ±0.08 0.062	4.90	56	91
2644373941	5	16	2	21.60 ±0.25 0.850	11.65 -0.40 0.451	1.52 ±0.13 0.060	2.54 ±0.13 0.100	7.62 ±0.15 0.300	1.00 ±0.15 0.042	2.90	19	36
2644373841	5	16	2	20.30 ±0.25 0.800	10.15 -0.40 0.392	3.18 ±0.13 0.125	2.54 ±0.13 0.100	2.54 ±0.10 0.100	1.22 ±0.07 0.048	2.80	30	51
2644236001	3	25	2	36.30 ±0.40 1.430	7.75 -0.25 0.300	3.43 ±0.13 0.135	2.75 ±0.13 0.108	2.85 ±0.13 0.112	1.60 ±0.08 0.062	3.60	30	51
2644236601	3	25	2	36.30 ±0.40 1.430	7.75 -0.25 0.300	6.86 ±0.13 0.270	2.75 ±0.13 0.108	2.85 ±0.13 0.112	1.60 ±0.08 0.062	7.20	56	91

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