

Connector EMI Suppression Plates

To reduce conducted EMI, "D" type and other types of suppression plates are available in several sizes and pin layouts.

- Impedance specification applies to all holes. They are tested for impedance with a single turn, using a Hewlett Packard HP 4193A Vector Impedance Meter.
- For impedance vs. frequency curves for these parts, please see Figures 7-21.
- For any connector EMI suppression plate requirement not listed in the catalog, feel free to contact our customer service group for availability and pricing.
- The Expanded Cable and Connector EMI Suppressor Kit (part number 0199000005) and the Connector EMI Suppression Plate Kit (0199000020) contain a selection of these cores. See page 92.

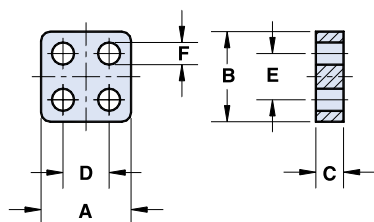


Figure 1

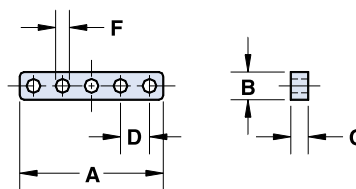


Figure 2

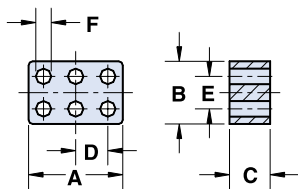


Figure 3

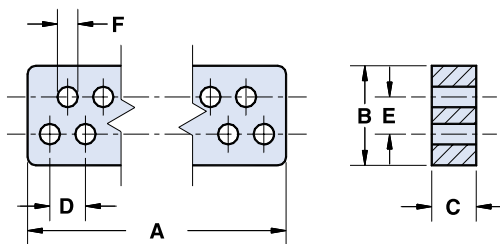


Figure 4

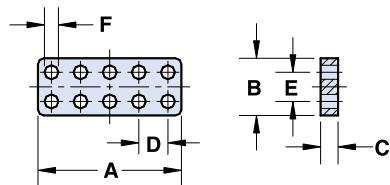


Figure 5

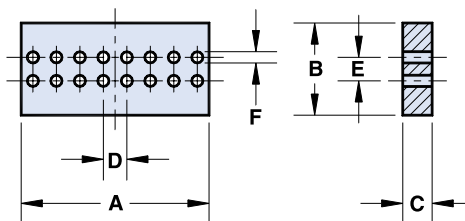


Figure 6

Connector EMI Suppression Plates

Dimensions (Bold numbers are in millimeters, light numbers are nominal in inches.)

Typical Impedance(Ω)¹

Part Number**	Figure	Number of Holes	Number of Rows	A	B	C*	D	E	F	Wt (g)	25 MHz	100 MHz	Z, R _s , X _i vs. Frequency Curve
2644246001	1	4	2	3.86±0.10 .152	3.86±0.10 .152	1.52±0.13 .060	2.00±0.08 .079	2.00±0.08 .079	0.82±0.1 .034	.10	14	28	Figure 7
2644246101	1	4	2	3.86±0.10 .152	3.86±0.10 .152	6.35±0.13 .250	2.00±0.08 .079	2.00±0.08 .079	0.82±0.1 .034	.38	46	73	Figure 8
2644245901	1	4	2	4.90±0.10 .193	4.90±0.10 .193	1.52±0.13 .060	2.54±0.13 .100	2.54±0.10 .100	1.22±0.07 .048	.15	13	28	Figure 9
2644245601	1	4	2	4.90±0.10 .193	4.90±0.10 .193	6.35±0.13 .250	2.54±0.13 .100	2.54±0.10 .100	1.22±0.07 .048	.60	41	66	Figure 10
2644246701	2	5	1	12.52±0.13 .493	2.54 Max. .100 Max.	1.52±0.13 .060	2.54±0.13 .100	—	1.22±0.07 .048	.18	13	28	Figure 9
2644246801	2	5	1	12.52±0.13 .493	2.54 Max. .100 Max.	3.05±0.13 .120	2.54±0.13 .100	—	1.22±0.07 .048	.35	20	36	Figure 11
2644246901	2	5	1	12.52±0.13 .493	2.54 Max. .100 Max.	6.10±0.13 .240	2.54±0.13 .100	—	1.22±0.07 .048	.70	38	59	Figure 12
2644246201	3	6	2	5.86±0.10 .231	3.86±0.10 .152	1.52±0.13 .060	2.00±0.08 .079	2.00±0.08 .079	0.82±0.1 .034	.14	14	28	Figure 7
2644246301	3	6	2	5.86±0.10 .231	3.86±0.10 .152	6.35±0.13 .250	2.00±0.08 .079	2.00±0.08 .079	0.82±0.1 .034	.60	46	73	Figure 8
2644245701	3	6	2	7.44±0.10 .293	4.90±0.10 .193	1.52±0.13 .060	2.54±0.13 .100	2.54±0.10 .100	1.22±0.07 .048	.22	13	28	Figure 9
2644245801	3	6	2	7.44±0.10 .293	4.90±0.10 .193	6.35±0.13 .250	2.54±0.13 .100	2.54±0.10 .100	1.22±0.07 .048	.94	41	66	Figure 10
2644236101	4	9	2	14.40±0.15 .567	7.75-0.25 .300	3.43±0.13 .135	2.75±0.13 .108	2.85±0.13 .112	1.60±0.08 .062	1.6	30	51	Figure 13
2644236401	4	9	2	14.40±0.15 .567	7.75-0.25 .300	6.86±0.13 .270	2.75±0.13 .108	2.85±0.13 .112	1.60±0.08 .062	3.2	56	91	Figure 14
2644247301	5	10	2	6.22±0.10 .245	3.30±0.10 .130	1.52±0.13 .060	1.27±0.10 .050	1.27±0.08 .050	0.69±0.05 .027	.08	13	28	Figure 15
2644247401	5	10	2	6.22±0.10 .245	3.30±0.10 .130	3.05±0.13 .120	1.27±0.10 .050	1.27±0.08 .050	0.69±0.05 .027	.17	24	41	Figure 16
2644247501	5	10	2	6.22±0.10 .245	3.30±0.10 .130	6.10±0.13 .240	1.27±0.10 .050	1.27±0.08 .050	0.69±0.05 .027	.34	41	65	Figure 17
2644247001	5	10	2	12.52±0.13 .493	4.90±0.10 .193	1.52±0.13 .060	2.54±0.13 .100	2.54±0.10 .100	1.22±0.07 .048	.37	13	28	Figure 9
2644247101	5	10	2	12.52±0.13 .493	4.90±0.10 .193	3.05±0.13 .120	2.54±0.13 .100	2.54±0.10 .100	1.22±0.07 .048	.74	23	40	Figure 18
2644247201	5	10	2	12.52±0.13 .493	4.90±0.10 .193	6.10±0.13 .240	2.54±0.13 .100	2.54±0.10 .100	1.22±0.07 .048	1.5	40	64	Figure 19
2644236301	4	15	2	22.55±0.25 .888	7.75-0.25 .300	3.43±0.13 .135	2.75±0.13 .108	2.85±0.13 .112	1.60±0.08 .062	2.4	30	51	Figure 13
2644236501	4	15	2	22.55±0.25 .888	7.75-0.25 .300	6.86±0.13 .270	2.75±0.13 .108	2.85±0.13 .112	1.60±0.08 .062	4.9	56	91	Figure 14
2644373941	6	16	2	21.60±0.25 .850	11.65-0.40 .451	1.52±0.13 .060	2.54±0.13 .100	7.62±0.15 .300	1.00±0.15 .042	2.9	19	36	Figure 20
2644373841	6	16	2	20.30±0.25 .800	10.15-0.40 .392	3.18±0.13 .125	2.54±0.13 .100	2.54±0.10 .100	1.22±0.07 .048	2.8	30	51	Figure 21
2644236001	4	25	2	36.3±0.4 1.430	7.75-0.25 .300	3.43±0.13 .135	2.75±0.13 .108	2.85±0.13 .112	1.60±0.08 .062	3.6	30	51	Figure 13
2644236601	4	25	2	36.3±0.4 1.430	7.75-0.25 .300	6.86±0.13 .270	2.75±0.13 .108	2.85±0.13 .112	1.60±0.08 .062	7.2	56	91	Figure 14
2644251801	4	37	2	52.8±0.7 2.079	7.75-0.25 .300	3.43±0.13 .135	2.75±0.13 .108	2.85±0.13 .112	1.60±0.08 .062	5.4	30	51	Figure 13
2644251901	4	37	2	52.8±0.7 2.079	7.75-0.25 .300	6.86±0.13 .270	2.75±0.13 .108	2.85±0.13 .112	1.60±0.08 .062	11	56	91	Figure 14

* This dimension may be modified to suit specific applications.

** Bold part numbers designate preferred parts.

¹ Guaranteed Z Min is Z Typ -20%

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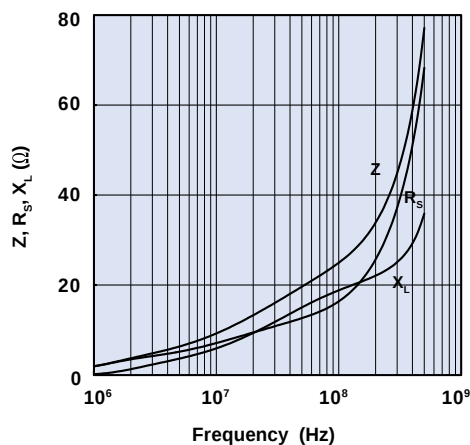


Figure 7 Impedance vs. Frequency for connector EMI suppression plate 2644246001 and 2644246201.

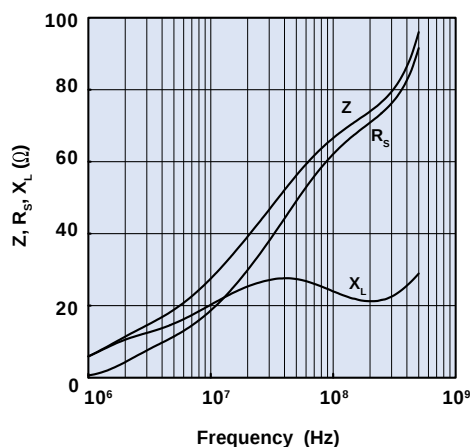


Figure 8 Impedance vs. Frequency for connector EMI suppression plate 2644246101 and 2644246301.

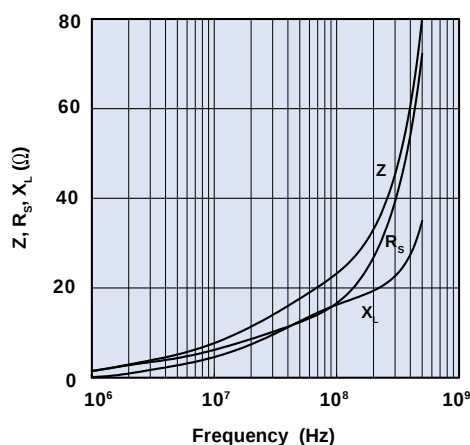


Figure 9 Impedance vs. Frequency for connector EMI suppression plate 2644245901, 2644246701, 2644245701 and 2644247001.

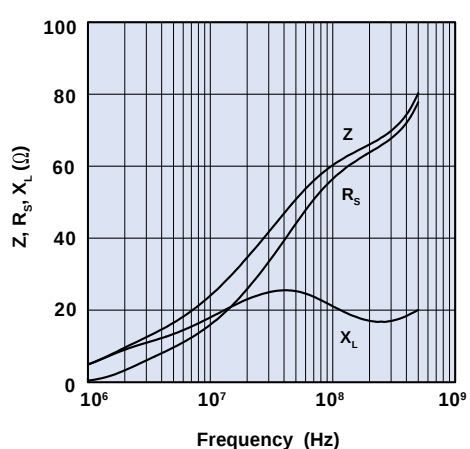


Figure 10 Impedance vs. Frequency for connector EMI suppression plate 2644245601 and 2644245801.

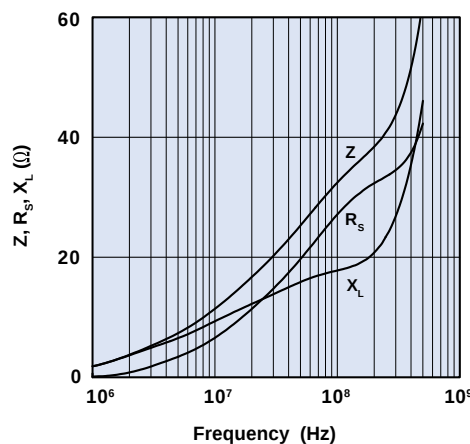


Figure 11 Impedance vs. Frequency for connector EMI suppression plate 2644246801.

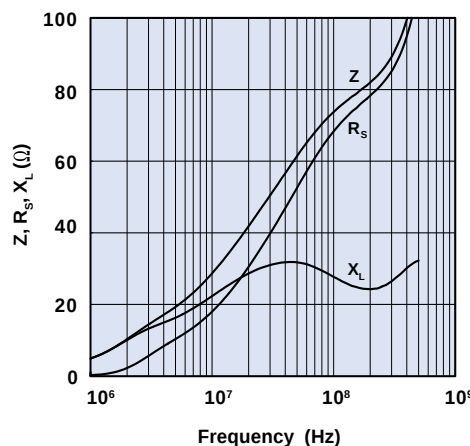


Figure 12 Impedance vs. Frequency for connector EMI suppression plate 2644246901.

Connector EMI Suppression Plates

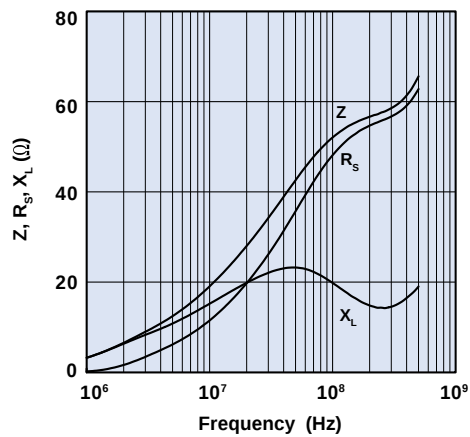


Figure 13 Impedance vs. Frequency for connector EMI suppression plate 2644236101, 2644236301, 2644236001 and 2644251801.

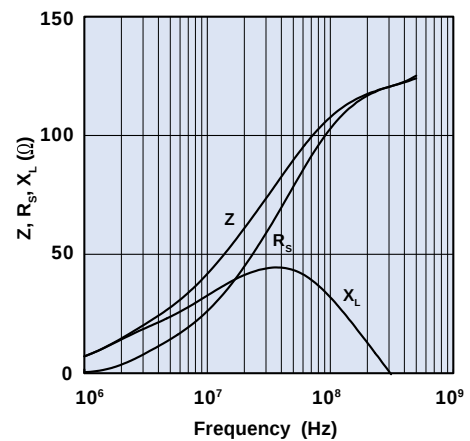


Figure 14 Impedance vs. Frequency for connector EMI suppression plate 2644236401, 2644236501, 2644236601 and 2644251901.

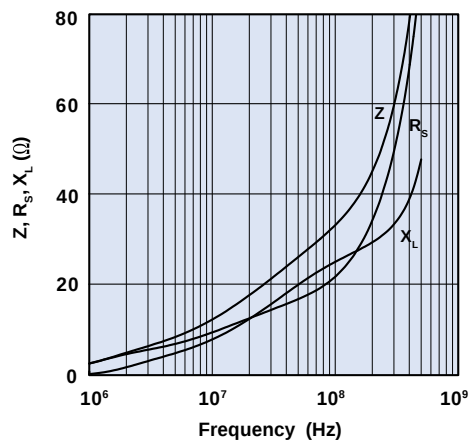


Figure 15 Impedance vs. Frequency for connector EMI suppression plate 2644247301.

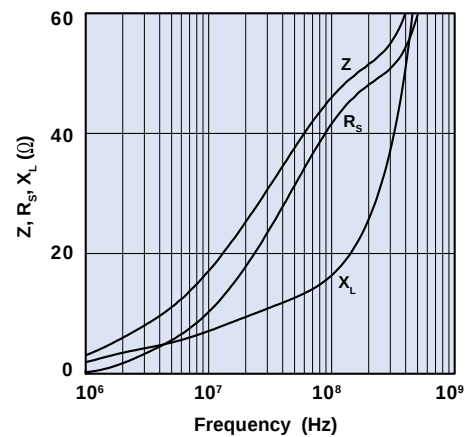


Figure 16 Impedance vs. Frequency for connector EMI suppression plate 2644247401.

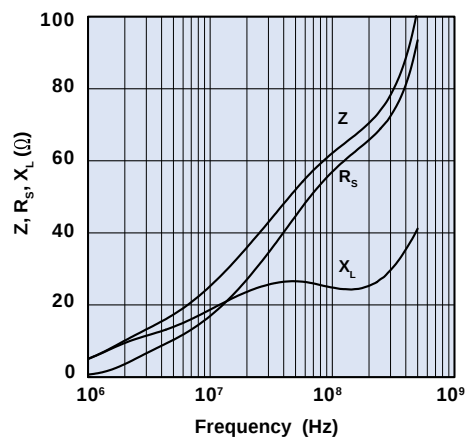


Figure 17 Impedance vs. Frequency for connector EMI suppression plate 2644247501.

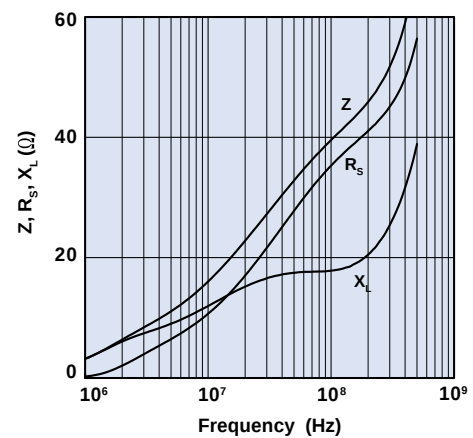


Figure 18 Impedance vs. Frequency for connector EMI suppression plate 2644247101.

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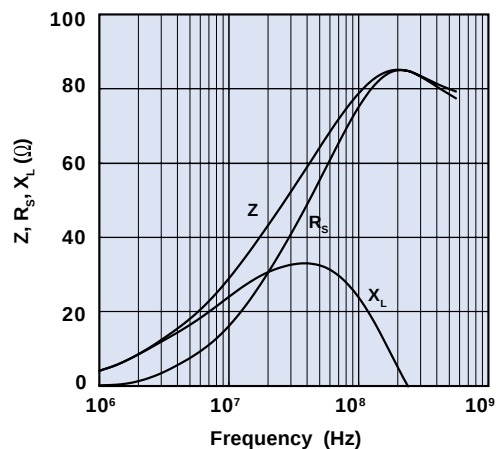


Figure 19 Impedance vs. Frequency for connector EMI suppression plate 2644247201.

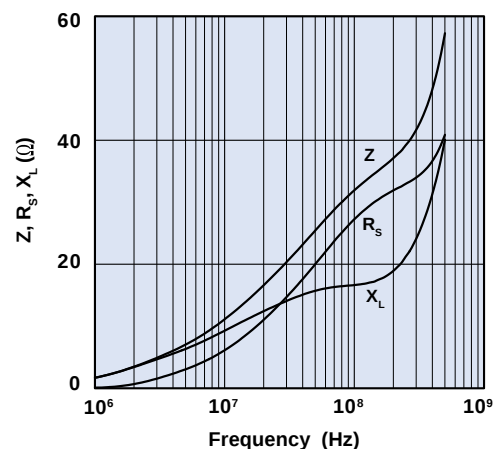


Figure 20 Impedance vs. Frequency for connector EMI suppression plate 2644373941.

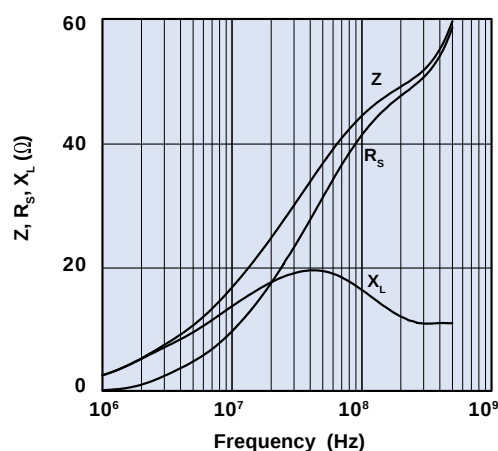


Figure 21 Impedance vs. Frequency for connector EMI suppression plate 2644373841.

