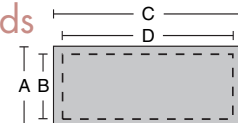




Effective shielding of printed circuit board components stops the RF energy right at the source, eliminating re-radiation and interference with nearby components and other electronic equipment. The assortment of board level shielding measures for RFID uses contains frequency-specific solutions for the most common needs.

PCB flexible Faraday Cage shields

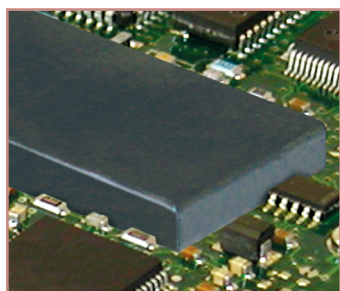
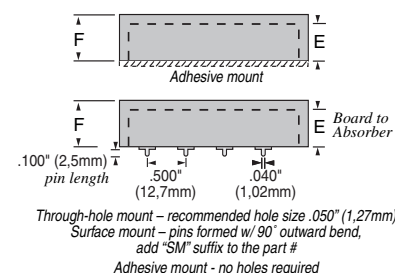
Shown at left; is one of the simplest shielding methods. Refer to page 35 for complete details. Can be used as a security shield to cover tags and readers to nullify signals.



PCB high attenuation shields

WITH FERRITE BODY AND RFID FREQUENCY TUNED ABSORBER MEMBRANE.

By combining the high RF attenuation of the ferrite body's wideband range from 10MHz to 1.2GHz with various internal absorber membranes which further offer frequency-specific absorption, three standard sizes accommodate most common application needs. For recommended mounting hole patterns, visit our web site at www.ferrishield.com under "PCB Shields" and click on the link "PCB Shield Mounting Hole Patterns". Or, optional adhesive quick-mount fits to any existing circuit without solder or modification of PCB traces.



PART No.	w/adhesive	A	B	C	D	E	F	Target Frequency/Range
PS25100EMC24	PS25100EMC24A	1.350 34,3	1.000 25,4	2.350 59,7	2.000 50,8	.198 5,0	.320 8,1	13.56MHz; 10MHz - 1.2GHz > 20.0dB
PS25400EMC24	PS25400EMC24A	1.350 34,3	1.000 25,4	2.350 59,7	2.000 50,8	.198 5,0	.320 8,1	433.92MHz; 10MHz - 1.2GHz > 20.0dB
PS25800EMC24	PS25800EMC24A	1.350 34,3	1.000 25,4	2.350 59,7	2.000 50,8	.198 5,0	.320 8,1	860-930MHz; 10MHz - 1.2GHz > 20.0dB
PS253200EMC24	PS253200EMC24A	1.350 34,3	1.000 25,4	2.350 59,7	2.000 50,8	.198 5,0	.320 8,1	2.45GHz; 10MHz - 6.0GHz > 20.0dB
PS2524MA24	PS2524MA24A	1.350 34,3	1.000 25,4	2.350 59,7	2.000 50,8	.198 5,0	.320 8,1	2.45GHz; 1.5GHz - 3.5GHz > 20.0dB
PS2558MA24	PS2558MA24A	1.350 34,3	1.000 25,4	2.350 59,7	2.000 50,8	.198 5,0	.320 8,1	5.80GHz; 4.1GHz - 7.6GHz > 20.0dB
PS25100EMC44	PS25100EMC44A	2.300 58,4	1.940 40,3	3.300 83,8	2.900 73,7	.398 10,1	.540 13,7	13.56MHz; 10MHz - 1.2GHz > 20.0dB
PS25400EMC44	PS25400EMC44A	2.300 58,4	1.940 40,3	3.300 83,8	2.900 73,7	.398 10,1	.540 13,7	433.92MHz; 10MHz - 1.2GHz > 20.0dB
PS25800EMC44	PS25800EMC44A	2.300 58,4	1.940 40,3	3.300 83,8	2.900 73,7	.398 10,1	.540 13,7	860-930MHz; 10MHz - 1.2GHz > 20.0dB
PS253200EMC44	PS253200EMC44A	2.300 58,4	1.940 40,3	3.300 83,8	2.900 73,7	.398 10,1	.540 13,7	2.45GHz; 10MHz - 6.0GHz > 20.0dB
PS2524MA44	PS2524MA44A	2.300 58,4	1.940 40,3	3.300 83,8	2.900 73,7	.398 10,1	.540 13,7	2.45GHz; 1.5GHz - 3.5GHz > 20.0dB
PS2558MA44	PS2558MA44A	2.300 58,4	1.940 40,3	3.300 83,8	2.900 73,7	.398 10,1	.540 13,7	5.80GHz; 4.1GHz - 7.6GHz > 20.0dB
PS25100EMC59	PS25100EMC59A	3.300 83,8	2.900 73,7	4.800 121,9	4.400 111,8	.496 12,6	.700 17,8	13.56MHz; 10MHz - 1.2GHz > 20.0dB
PS25400EMC59	PS25400EMC59A	3.300 83,8	2.900 73,7	4.800 121,9	4.400 111,8	.496 12,6	.700 17,8	433.92MHz; 10MHz - 1.2GHz > 20.0dB
PS25800EMC59	PS25800EMC59A	3.300 83,8	2.900 73,7	4.800 121,9	4.400 111,8	.496 12,6	.700 17,8	860-930MHz; 10MHz - 1.2GHz > 20.0dB
PS253200EMC59	PS253200EMC59A	3.300 83,8	2.900 73,7	4.800 121,9	4.400 111,8	.496 12,6	.700 17,8	2.45GHz; 10MHz - 6.0GHz > 20.0dB
PS2524MA59	PS2524MA59A	3.300 83,8	2.900 73,7	4.800 121,9	4.400 111,8	.496 12,6	.700 17,8	2.45GHz; 1.5GHz - 3.5GHz > 20.0dB
PS2558MA59	PS2558MA59A	3.300 83,8	2.900 73,7	4.800 121,9	4.400 111,8	.496 12,6	.700 17,8	5.80GHz; 4.1GHz - 7.6GHz > 20.0dB

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