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Thick-Wall Plastic Enclosures w/ EMI/ RFI Shielding **1594RFI Series**

Molded w/ Conductive Plastic



Features

- Designed for EMI/RFI shielding applications - using conductive plastic (a compound of plastic and stainless steel fibers).
- For shielding effectiveness reports see "recommended reading" section below.
- Electronic instrument enclosures, ideally suited for mounting printed circuit boards.
- Thick wall design with an average wall thickness of 0.13" (3.3 mm).
- Molded from a compound of stainless steel fibers and flame retardant ABS plastic (carries a UL flammability rating of 94V-0).
- Designed to meet IP54.
- NOTE: Material is brittle - acts like phenolic - NOT FOR HIGH IMPACT USE.
- Countersunk lid is secured with four M3 x 0.5 - 0.71" (18 mm) long, Philips machine screws threaded into integral brass bushings. Perfect for applications with repetitive assembly and disassembly are required.
- Replacement screws sold in packs of 100. Part number **1594MS100**
- Black with matte textured finish.

For non-shielded applications, try general purpose or water-tight series 1594.



SAFETY NOTES:

- Conductive plastic is NOT an insulator - these enclosures must be treated like a metal enclosure.
- Conductive plastic will act as a heating element - any significant current flow will cause the plastic to heat and produce smoke.

Part Numbers

Part Number	Color	Length	Width	Depth
1594RFIABK	Black	2.20	2.20	1.10
1594RFIBBK	Black	3.20	2.20	1.10
1594RFICBK	Black	4.10	2.60	1.30
1594RFIDBK	Black	5.20	2.60	1.70
1594RFIEBK	Black	6.60	4.20	2.10

Data subject to change without notice

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