



RFI - Hand Held Enclosures Conductive Plastic (1599RFI Series)

[Home](#)[Products](#)[Distributors](#)[Technical](#)[Contact Us](#)[Other Options](#)

Path: [Home](#) > [Enclosure Index](#) > RFI - Hand Held Enclosures - Conductive Plastic



Key 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.
- Attractively styled and ergonomically designed for use as a "hand-held" instrument enclosure.
- Molded from a compound of stainless steel fibers and flame retardant ABS plastic (material carries a UL flammability rating of 94V-0).
- Recessed top for membrane display or pad.
- Lap joint construction provides protection against dust accumulation and splashing water.
- Extra deep top and ultra shallow base are specifically designed to enhance the aesthetics of the enclosure and provide the user with flexibility and assembly efficiency.
- Designed to meet IP54.
- Lid is secured with Philips machine screws, threaded into tapped integral brass bushings. Perfect for applications with repetitive assembly and disassembly are required.
- Two keyhole knockouts are molded into the inside of the base to facilitate wall mounting installation.
-  Link here to [photo tables](#) of each part number (**No** Battery Door).
-  Link here to [photo tables](#) of each part number (**With** Battery Door)

RFI - Conductive Plastic

Part Number	Color	Battery Door	Reader File	 Drawing File Size	AutoCAD .dxf & .dwg Files (zipped)	.zip File Size	Units	Length	Width	Enclosure Depth (Includes Lid)
1599RFIBBK	Black	No		112K		105K	Inches	5.12	2.56	0.97
							mm	130	65	25
1599RFIBKBAT	Black	Yes		124K		106K	Inches	5.12	2.56	0.97
							mm	130	65	25
1599RFIEBK	Black	No		128K		103K	Inches	6.70	3.35	1.33
							mm	170	85	34
1599RFIEKBAT	Black	Yes		151K		104K	Inches	6.70	3.3	1.33
							mm	170	85	34
1599RFIHBK	Black	No		134K		112K	Inches	8.66	4.33	1.73
							mm	220	110	44
1599RFIHBKBAT	Black	Yes		131K		114K	Inches	8.66	4.33	1.73
							mm	220	110	44
1599RFIKBK	Black	No		116K		97K	Inches	8.66	5.5	1.60
							mm	220	140	40.5
1599RFIKKBAT	Black	Yes		124K		100K	Inches	8.66	5.5	1.60
							mm	220	140	40.5



Link here to [photo tables](#) of each part number (**No** Battery Door)



Link here to [photo tables](#) of each part number (**With** Battery Door)

NOTES:

•

All Dimensions in inches & mm.

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.

Recommended Reading:

1. EMI/RFI Shielding Information for Hammond Enclosures - [EMI_RFI Shielding Info.pdf](#) (46 K)
 2. Shielding Effectiveness Measurement Report (Outside Lab Results) - [Shielding Effectiveness.pdf](#) (157 K)
 3. Shielding Effectiveness Graphs - [Shielding Graphs.pdf](#) (120K)
-

Accessories

Screws:

- Accessory screws for mounting P.C. boards into standoffs (#4 x 1/4" pan head) P/N **1593ATS50** (qty. 50), P/N **1593ATS100** (qty. 100).
- Replacement machine screw, used in flame retardant ABS 1599B series (ie...with brass inserts). M3 - 0.5 x 20 mm **1594MS100** - Package of 100
- Replacement machine screw, used in flame retardant ABS 1599E, H & K series (ie...with brass inserts). M3 - 0.5 x 10 mm **1591MS100** - Package of 100

Belt / Pocket Clip Option:



- Molded from tough nylon.
- Includes 2 nylon screws (insulated to avoid internal interference).
- Mounting template included.

Black - Part Number **1599CLIP**
Grey (shown) - Part Number **1599CLIPGY**

Battery Holder Kits:

- Designed for our battery door enclosure (ie...part numbers ending in BAT).
- Kits include all the parts required to install the battery or batteries.
- Kit includes the battery holder, wires, divider and foam anti-rattle pad.

Part Number	Battery Holder Kit For:	Fits Battery Door Enclosure Size:
BH1AAWKIT	1 AA Cell	1599B, 1599E, 1599H & 1599K series
BH2AAWKIT	2 AA Cells	1599B, 1599E, 1599H & 1599K series
BH1AAAWKIT	1 AAA Cell	1599B, 1599E, 1599H & 1599K series
BH2AAAWKIT	2 AAA Cells	1599B, 1599E, 1599H & 1599K series
BH3AAAWKIT	3 AAA Cells	1599E, 1599H & 1599K series
BH4AAAWKIT	4 AAA Cells	1599E, 1599H & 1599K series
BS61KIT	1 - 9V Cell	1599B, 1599E, 1599H & 1599K series

Link here for [pictures & more details](#) 

Battery Dividers:

•

Grey ABS plastic panel barriers which insert vertically into the P.C. card guides.

Part Number (Package of 5)	Part Number (Package of 100)	Use With Enclosure Series:
1599BD5	1599BD100	1599B
1599ED5	1599ED100	1599E
1599HD5	1599HD100	1599H

Exactly what you are looking for???

Link to our stocking distributors - most have "on-line" pricing, stock check and ordering!!!

Our Distributors

[Order from your favorite distributor](#)

[Home](#) | [Products](#) | [Distributors](#) | [Technical](#) | [Contact Us](#) | [Other Options](#)

Copyright; © 2005 Hammond Mfg Co Inc

URL: <http://www.hammondmfg.com>