EMI/RFI Shielded Extruded Aluminum Enclosures *1457-EMI Series*

EMI Gaskets, Heavy Duty, Optional Wall-Mounting Flanges









RoHS

Key Features:

- Tough watertight extruded enclosures designed to house PC boards or for equipment interfacing.
- Sized for standard Eurocards.
- PC boards mount horizontally by sliding into internal slots extruded into the enclosure body.
- Rugged body constructed from one piece of extruded aluminum with a minimum thickness of 0.06” (1.5 mm).
- Designed to meet IP54.
- Extruded aluminum body includes a recessed area for labels or membrane keypad.
- End panels are rugged yet easy to machine diecast aluminum with full perimeter conductive foam/fabric gaskets made of Ni/Cu (nickel/copper) and CPSA (conductive pressure sensitive adhesive).
- Choice of enclosure with flat end panels or enclosure with flanged end panels.

Includes:

- Two diecast aluminum end panels painted in a durable, black satin powder paint.
- Extruded aluminum body in choice of clear anodized or black powder coat finish.
- Two adhesive conductive end plate gaskets.
- Stainless steel assembly hardware with rubber o-ring and adhesive rubber feet.
- Thread forming screws provided are black zinc plated for corrosion protection to ASTM B633-13:
  - to Type II rating (96 hour Salt Spray Test)
  - SC3 severe rating (12 micron thickness coating)
- Replacement assembly screws can be purchased in packs of 100 screws under part number 1457MS100
- NOTE: Recommended screw torque is 5 lbf/in



Available with black powder coat or clear anodize finish and with or without



Enclosure includes extruded body, die-cast end panels, gaskets (not water-tight), and hardware. Extra end

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wallmounting flanges.

panel kits are sold separately.





Enclosures

EMI Shielded, No Flanges	EMI Shielded w/ Flanges	Extrusion Color	Extrusion Length (mm)	Width (mm)	Height (mm)	Max PCB Length (mm)	Max PCB Width (mm)
1457C801E	**1457C802E**	Clear Anodize	80.00	59.00	31.00	80.00	55.00
1457C801EBK	**1457C802EBK**	Black Powder Coat	80.00	59.00	31.00	80.00	55.00
1457C1201E	**1457C1202E**	Clear Anodize	120.00	59.00	31.00	120.00	55.00
1457C1201EBK	**1457C1202EBK**	Black Powder Coat	120.00	59.00	31.00	120.00	55.00
1457J1201E	**1457J1202E**	Clear Anodize	120.00	84.00	28.50	120.00	80.00
1457J1201EBK	**1457J1202EBK**	Black Powder Coat	120.00	84.00	28.50	120.00	80.00
1457K1201E	**1457K1202E**	Clear Anodize	120.00	84.00	44.00	120.00	80.00
1457K1201EBK	**1457K1202EBK**	Black Powder Coat	120.00	84.00	44.00	120.00	80.00
1457L1201E	**1457L1202E**	Clear Anodize	120.00	104.00	32.00	120.00	100.00
1457L1201EBK	**1457L1202EBK**	Black Powder Coat	120.00	104.00	32.00	120.00	100.00
1457N1201E	**1457N1202E**	Clear Anodize	120.00	104.00	55.00	120.00	100.00
1457N1201EBK	**1457N1202EBK**	Black Powder Coat	120.00	104.00	55.00	120.00	100.00
1457J1601E	**1457J1602E**	Clear Anodize	160.00	84.00	28.50	160.00	80.00
1457J1601EBK	**1457J1602EBK**	Black Powder Coat	160.00	84.00	28.50	160.00	80.00
1457K1601E	**1457K1602E**	Clear Anodize	160.00	84.00	44.00	160.00	80.00
1457K1601EBK	**1457K1602EBK**	Black Powder Coat	160.00	84.00	44.00	160.00	80.00
1457L1601E	**1457L1602E**	Clear Anodize	160.00	104.00	32.00	160.00	100.00
1457L1601EBK	**1457L1602EBK**	Black Powder Coat	160.00	104.00	32.00	160.00	100.00
1457N1601E	**1457N1602E**	Clear Anodize	160.00	104.00	55.00	160.00	100.00
1457N1601EBK	**1457N1602EBK**	Black Powder Coat	160.00	104.00	55.00	160.00	100.00
1457T1601E	**1457T1602E**	Clear Anodize	160.00	165.50	54.00	160.00	160.00
1457T1601EBK	**1457T1602EBK**	Black Powder Coat	160.00	165.50	54.00	160.00	160.00
1457U1601E	**1457U1602E**	Clear Anodize	160.00	191.00	67.50	160.00	186.00
1457U1601EBK	**1457U1602EBK**	Black Powder Coat	160.00	191.00	67.50	160.00	186.00
1457T2201E	**1457T2202E**	Clear Anodize	220.00	165.50	54.00	220.00	160.00
1457T2201EBK	**1457T2202EBK**	Black Powder Coat	220.00	165.50	54.00	220.00	160.00
1457U2201E	**1457U2202E**	Clear Anodize	220.00	191.00	67.50	220.00	186.00
1457U2201EBK	**1457U2202EBK**	Black Powder Coat	220.00	191.00	67.50	220.00	186.00
1457U2801E	**1457U2802E**	Clear Anodize	280.00	191.00	67.50	280.00	186.00
1457U2801EBK	**1457U2802EBK**	Black Powder Coat	280.00	191.00	67.50	280.00	186.00

Replacement End Panels

Enclosure Part Number Beginning With	End Panel Kit (No Mounting Flanges)		End Panel Kit w/ Integrated Mounting Flanges	
	2-pack	10-pack	2-pack	10-pack
1457C	**1457CEP**	**1457CEP-10**	**1457CEPF**	**1457CEPF-10**

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Enclosure Part Number Beginning With	End Panel Kit (No Mounting Flanges) 2-pack	End Panel Kit (No Mounting Flanges) 10-pack	End Panel Kit w/ Integrated Mounting Flanges 2-pack	End Panel Kit w/ Integrated Mounting Flanges 10-pack
1457J	1457JEP	1457JEP-10	1457JEPF	1457JEPF-10
1457K	1457KEP	1457KEP-10	1457KEPF	1457KEPF-10
1457L	1457LEP	1457LEP-10	1457LEPF	1457LEPF-10
1457N	1457NEP	1457NEP-10	1457NEPF	1457NEPF-10
1457T	1457TEP	1457TEP-10	1457TEPF	1457TEPF-10
1457U	1457UEP	1457UEP-10	1457UEPF	1457UEPF-10

Replacement Gaskets

Enclosure Part Number Beginning With	Water-Tight Gaskets 10-pack	EMI Gaskets 10-pack
1457C	1457CPG-10	1457CEG-10
1457J	1457JPG-10	1457JEG-10
1457K	1457KPG-10	1457KEG-10
1457L	1457LPG-10	1457LEG-10
1457N	1457NPG-10	1457NEG-10
1457T	1457TPG-10	1457TEG-10
1457U	1457UPG-10	1457UEG-10

Tags: **extrusion**, **extruded**, **PCB slot**, **PCB enclosure**, **board mount**, **emi**, **rfi**, **shielded**, **emi/rfi**

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