

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

EMI Gaskets, Heavy Duty, Optional Wall-Mounting Flanges

### Key Features:

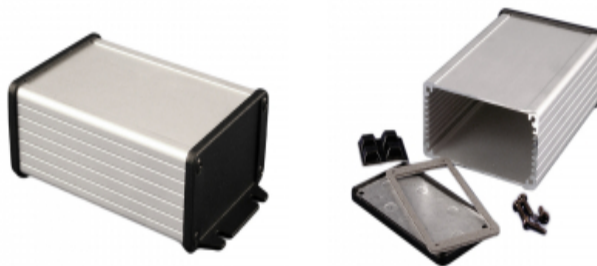


- Tough watertight extruded enclosures designed to house PC boards or for equipment interfacing.
- Sized for standard Eurocards.
- PC boards mount horizontally by sliding into internal slots extruded into the enclosure body.
- Rugged body constructed from one piece of extruded aluminum with a minimum 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

wallmounting flanges.

panel kits are sold separately.



Enclosures

| EMI Shielded,<br>No Flanges | EMI Shielded<br>w/ Flanges | Extrusion<br>Color   | Extrusion<br>Length (mm) | Width (mm) | Height (mm) | Max PCB<br>Length (mm) | Max PCB<br>Width (mm) |
|-----------------------------|----------------------------|----------------------|--------------------------|------------|-------------|------------------------|-----------------------|
| 1457C801E                   | 1457C802E                  | Clear Anodize        | 80.00                    | 59.00      | 31.00       | 80.00                  | 55.00                 |
| 1457C801EBK                 | 1457C802EBK                | Black Powder<br>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                 |
| 1457C1201EB<br>K            | 1457C1202EB<br>K           | Black Powder<br>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                 |
| 1457J1201EB<br>K            | 1457J1202EBK               | Black Powder<br>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                 |
| 1457K1201EB<br>K            | 1457K1202EB<br>K           | Black Powder<br>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                |
| 1457L1201EB<br>K            | 1457L1202EBK               | Black Powder<br>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                |
| 1457N1201EB<br>K            | 1457N1202EB<br>K           | Black Powder<br>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                 |
| 1457J1601EB<br>K            | 1457J1602EBK               | Black Powder<br>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                 |
| 1457K1601EB<br>K            | 1457K1602EB<br>K           | Black Powder<br>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                |
| 1457L1601EB<br>K            | 1457L1602EBK               | Black Powder<br>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                |
| 1457N1601EB<br>K            | 1457N1602EB<br>K           | Black Powder<br>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                |
| 1457T1601EB<br>K            | 1457T1602EBK               | Black Powder<br>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                |
| 1457U1601EB<br>K            | 1457U1602EB<br>K           | Black Powder<br>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                |
| 1457T2201EB<br>K            | 1457T2202EBK               | Black Powder<br>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                |
| 1457U2201EB<br>K            | 1457U2202EB<br>K           | Black Powder<br>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                |
| 1457U2801EB<br>K            | 1457U2802EB<br>K           | Black Powder<br>Coat | 280.00                   | 191.00     | 67.50       | 280.00                 | 186.00                |

Replacement End Panels

| Enclosure Part Number<br>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 |

| Enclosure Part Number<br>Beginning With | End Panel Kit (No Mounting Flanges) |            | End Panel Kit w/ Integrated Mounting Flanges |             |
|-----------------------------------------|-------------------------------------|------------|----------------------------------------------|-------------|
|                                         | 2-pack                              | 10-pack    | 2-pack                                       | 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<br>Beginning With | Water-Tight Gaskets | EMI Gaskets |
|-----------------------------------------|---------------------|-------------|
|                                         | 10-pack             | 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

*Data subject to change without notice.*