



## Extruded Aluminum Enclosures EMI/RFI Protection (1457 "E" Series)

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(click to enlarge)

**Clear Anodized  
(Open View)**



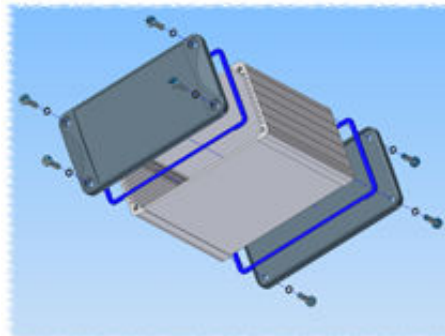
(click to enlarge)

**Clear Anodized  
(Assembled View)**



(click to enlarge)

**Flanged Version  
Clear Anodized  
(Assembled View)**



(click to enlarge)

***Key Features:***

- Watertight - heavy duty extruded enclosures designed to house P.C. boards or for equipment interfacing.
- Sized for standard Eurocards.
- P.C. boards mount horizontally by sliding into internal slots extruded into the enclosure body.
- Rugged body constructed from one piece, extruded aluminum with a minimum thickness of .06" (1.5 mm).
- Extruded aluminum body includes a recessed area for labels or membrane keypad.
- Diecast aluminum end panels are rugged - yet easy to machine. Front & rear gasket is a full perimeter conductive foam/fabric made of a Ni/Cu (nickel/copper) and CPSA (conductive pressure sensitive adhesive).
- Designed to meet IP 54 ratings.
- Choice of two versions - end panels without flange or with flange (for shelf or wall mounting).

### ***Includes:***

- Two diecast aluminum end panels - painted in a durable, black satin powder paint.
- Extruded, aluminum body (choice of either clear anodized or black powder paint finish).
- Two - end plate EM/RFI conductive gaskets.
- All hardware and self-adhesive feet.
- **NOTE:** Recommended screw torque is 5 lbf/in

| <b>END PANELS - NO MOUNTING FLANGE</b>   |                     |                                                                                               |                                                                                            |                                                                                            |        |        |       |        |
|------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------|--------|-------|--------|
| Part Number                              | Extruded Body Color |  Reader File | AutoCAD .dwg Files (zipped)                                                                | 3D Solid Model .igs & .stp files (zipped)                                                  | Units  | Length | Width | Height |
| <b>3.15" (80 mm) Length</b>              |                     |                                                                                               |                                                                                            |                                                                                            |        |        |       |        |
| <b>1457C801E</b><br><b>1457C801EBK</b>   | Clear<br>Black      |  910K      |  228K |  258K | Inches | 3.15   | 2.32  | 1.21   |
|                                          |                     |                                                                                               |                                                                                            |                                                                                            | mm     | 80     | 59    | 30.9   |
| <b>4.73" (120 mm) Length</b>             |                     |                                                                                               |                                                                                            |                                                                                            |        |        |       |        |
| <b>1457C1201E</b><br><b>1457C1201EBK</b> | Clear<br>Black      |  919K      |  202K |  258K | Inches | 4.73   | 2.32  | 1.21   |
|                                          |                     |                                                                                               |                                                                                            |                                                                                            | mm     | 120    | 59    | 30.9   |
| <b>NEW SIZE</b><br><b>1457J1201E</b>     | Clear               |            |       |       | Inches | 4.73   | 3.30  | 1.12   |
|                                          |                     |                                                                                               |                                                                                            |                                                                                            |        |        |       |        |

|                              |       |                                                                                    |        |                                                                                      |                                                                                      |        |      |      |      |
|------------------------------|-------|------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------|------|------|------|
| <b>1457J1201EBK</b>          | Black |                                                                                    | 267K   | 346K                                                                                 | 439K                                                                                 | mm     | 120  | 84   | 28.5 |
| <b>1457K1201E</b>            | Clear |   |        |   |   | Inches | 4.73 | 3.30 | 1.73 |
| <b>1457K1201EBK</b>          | Black |                                                                                    | 1,070K | 276K                                                                                 | 437K                                                                                 | mm     | 120  | 84   | 44.1 |
| <b>NEW SIZE</b>              |       |                                                                                    |        |                                                                                      |                                                                                      |        |      |      |      |
| <b>1457L1201E</b>            | Clear |   |        |   |   | Inches | 4.73 | 4.09 | 1.26 |
| <b>1457L1201EBK</b>          | Black |                                                                                    | 262K   | 346K                                                                                 | 417K                                                                                 | mm     | 120  | 104  | 32   |
| <b>1457N1201E</b>            | Clear |   |        |   |   | Inches | 4.73 | 4.09 | 2.15 |
| <b>1457N1201EBK</b>          | Black |                                                                                    | 1,120K | 309K                                                                                 | 300K                                                                                 | mm     | 120  | 104  | 54.6 |
| <b>6.30" (160 mm) Length</b> |       |                                                                                    |        |                                                                                      |                                                                                      |        |      |      |      |
| <b>NEW SIZE</b>              |       |                                                                                    |        |                                                                                      |                                                                                      |        |      |      |      |
| <b>1457J1601E</b>            | Clear |   |        |   |   | Inches | 6.30 | 3.30 | 1.12 |
| <b>1457J1601EBK</b>          | Black |                                                                                    | 250K   | 333K                                                                                 | 439K                                                                                 | mm     | 160  | 84   | 28.5 |
| <b>1457K1601E</b>            | Clear |   |        |   |   | Inches | 6.30 | 3.30 | 1.73 |
| <b>1457K1601EBK</b>          | Black |                                                                                    | 1,062K | 313K                                                                                 | 437K                                                                                 | mm     | 160  | 84   | 44.1 |
| <b>NEW SIZE</b>              |       |                                                                                    |        |                                                                                      |                                                                                      |        |      |      |      |
| <b>1457L1601E</b>            | Clear |   |        |   |   | Inches | 6.30 | 4.09 | 1.26 |
| <b>1457L1601EBK</b>          | Black |                                                                                    | 259K   | 323K                                                                                 | 417K                                                                                 | mm     | 160  | 104  | 32   |
| <b>1457N1601E</b>            | Clear |  |        |  |  | Inches | 6.30 | 4.09 | 2.15 |
| <b>1457N1601EBK</b>          | Black |                                                                                    | 1,102K | 296K                                                                                 | 300K                                                                                 | mm     | 160  | 104  | 54.6 |



Link here to [photo tables](#) of each part number



(click to enlarge)

**Flanged Version**  
**Clear Anodized**  
**(Bottom View)**

| END PANELS - FLANGED VERSION           |                     |                                                                                                   |                                                                                            |                                                                                            |        |        |       |        |
|----------------------------------------|---------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------|--------|-------|--------|
| Part Number                            | Extruded Body Color |  PDF Reader File | AutoCAD .dwg Files (zipped)                                                                | 3D Solid Model .igs & .stp files (zipped)                                                  | Units  | Length | Width | Height |
| 3.15" (80 mm) Length                   |                     |                                                                                                   |                                                                                            |                                                                                            |        |        |       |        |
| 1457C802E<br>1457C802EBK               | Clear               |  925K            |  221K   |  280K   | Inches | 3.15   | 2.32  | 1.21   |
|                                        | Black               |                                                                                                   |                                                                                            |                                                                                            | mm     | 80     | 59    | 30.9   |
| 4.73" (120 mm) Length                  |                     |                                                                                                   |                                                                                            |                                                                                            |        |        |       |        |
| 1457C1202E<br>1457C1202EBK             | Clear               |  909K          |  221K |  280K | Inches | 4.73   | 2.32  | 1.21   |
|                                        | Black               |                                                                                                   |                                                                                            |                                                                                            | mm     | 120    | 59    | 30.9   |
| NEW SIZE<br>1457J1202E<br>1457J1202EBK | Clear               |  278K          |  353K |  459K | Inches | 4.73   | 3.30  | 1.12   |
|                                        | Black               |                                                                                                   |                                                                                            |                                                                                            | mm     | 120    | 84    | 28.5   |
| 1457K1202E<br>1457K1202EBK             | Clear               |  1,075K        |  283K |  479K | Inches | 4.73   | 3.30  | 1.73   |
|                                        | Black               |                                                                                                   |                                                                                            |                                                                                            | mm     | 120    | 84    | 44.1   |
|                                        |                     |                                                                                                   |                                                                                            |                                                                                            | Inches | 4.73   | 4.09  | 1.26   |

|                                                             |       |                                                                                             |                                                                                             |                                                                                             |        |      |      |      |
|-------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------|------|------|------|
| <b>NEW SIZE</b><br><b>1457L1202E</b><br><b>1457L1202EBK</b> | Clear | <br>253K    | <br>321K  | <br>433K  |        |      |      |      |
|                                                             | Black |                                                                                             |                                                                                             |                                                                                             | mm     | 120  | 104  | 32   |
| <b>1457N1202E</b><br><b>1457N1202EBK</b>                    | Clear | <br>1,117K | <br>305K | <br>330K | Inches | 4.73 | 4.09 | 2.15 |
|                                                             | Black |                                                                                             |                                                                                             |                                                                                             | mm     | 120  | 104  | 54.6 |
| <b>6.30" (160 mm) Length</b>                                |       |                                                                                             |                                                                                             |                                                                                             |        |      |      |      |
| <b>NEW SIZE</b><br><b>1457J1602E</b><br><b>1457J1602EBK</b> | Clear | <br>253K   | <br>316K | <br>433K | Inches | 6.30 | 3.30 | 1.12 |
|                                                             | Black |                                                                                             |                                                                                             |                                                                                             | mm     | 160  | 84   | 28.5 |
| <b>1457K1602E</b><br><b>1457K1602EBK</b>                    | Clear | <br>990K   | <br>298K | <br>479K | Inches | 6.30 | 3.30 | 1.73 |
|                                                             | Black |                                                                                             |                                                                                             |                                                                                             | mm     | 160  | 84   | 44.1 |
| <b>NEW SIZE</b><br><b>1457L1602E</b><br><b>1457L1602EBK</b> | Clear | <br>259K   | <br>313K | <br>433K | Inches | 6.30 | 4.09 | 1.26 |
|                                                             | Black |                                                                                             |                                                                                             |                                                                                             | mm     | 160  | 104  | 32   |
| <b>1457N1602E</b><br><b>1457N1602EBK</b>                    | Clear | <br>1,106K | <br>320K | <br>330K | Inches | 6.30 | 4.09 | 2.15 |
|                                                             | Black |                                                                                             |                                                                                             |                                                                                             | mm     | 160  | 104  | 54.6 |

*Color Options:*



(click to enlarge)

- Choose either clear anodized (left) finish or black powder paint (right).
- Note that the diecast aluminum front & back panels are both finished in black powder paint.

## Accessories

### *Replacement End Panels & EMI/RFI Gasket Kits:*

#### NO Mounting Flange

| USE WITH<br>(Enclosure<br>Part Number) | 2 Pack             |                | 10 Pack            |                   |
|----------------------------------------|--------------------|----------------|--------------------|-------------------|
|                                        | Thumbnail<br>Photo | Part Number    | Thumbnail<br>Photo | Part Number       |
| 1457C801E                              | -                  | <b>1457CEP</b> | -                  | <b>1457CEP-10</b> |
| 1457C801EBK                            |                    | <b>1457CEP</b> |                    | <b>1457CEP-10</b> |
| 1457C1201E                             |                    | <b>1457CEP</b> |                    | <b>1457CEP-10</b> |
| 1457C1201EBK                           |                    | <b>1457CEP</b> |                    | <b>1457CEP-10</b> |
| 1457J801E                              | -                  | <b>1457JWP</b> | -                  | <b>1457JWP-10</b> |
| 1457J801EBK                            |                    | <b>1457JWP</b> |                    | <b>1457JWP-10</b> |
| 1457J1201E                             |                    | <b>1457JWP</b> |                    | <b>1457JWP-10</b> |
| 1457J1201EBK                           |                    | <b>1457JWP</b> |                    | <b>1457JWP-10</b> |
| 1457K1201E                             | -                  | <b>1457KEP</b> | -                  | <b>1457KEP-10</b> |
| 1457K1201EBK                           |                    | <b>1457KEP</b> |                    | <b>1457KEP-10</b> |
| 1457K1601E                             |                    | <b>1457KEP</b> |                    | <b>1457KEP-10</b> |
| 1457K1601EBK                           |                    | <b>1457KEP</b> |                    | <b>1457KEP-10</b> |
| 1457L1201E                             | -                  | <b>1457LWP</b> | -                  | <b>1457LWP-10</b> |
| 1457L1201EBK                           |                    | <b>1457LWP</b> |                    | <b>1457LWP-10</b> |
| 1457L1601E                             |                    | <b>1457LWP</b> |                    | <b>1457LWP-10</b> |
|                                        |                    |                |                    |                   |

|              |   |                |   |                   |
|--------------|---|----------------|---|-------------------|
| 1457L1601EBK |   | <b>1457LWP</b> |   | <b>1457LWP-10</b> |
| 1457N1201E   | - | <b>1457NEP</b> | - | <b>1457NEP-10</b> |
| 1457N1201EBK |   | <b>1457NEP</b> |   | <b>1457NEP-10</b> |
| 1457N1601E   |   | <b>1457NEP</b> |   | <b>1457NEP-10</b> |
| 1457N1601EBK |   | <b>1457NEP</b> |   | <b>1457NEP-10</b> |

**WITH Mounting Flange**

| USE WITH<br>(Enclosure<br>Part Number) | 2 Pack                                                                             |                 | 10 Pack            |                    |
|----------------------------------------|------------------------------------------------------------------------------------|-----------------|--------------------|--------------------|
|                                        | Thumbnail<br>Photo                                                                 | Part Number     | Thumbnail<br>Photo | Part Number        |
| 1457C802E                              |  | <b>1457CEPF</b> | -                  | <b>1457CEPF-10</b> |
| 1457C802EBK                            |                                                                                    | <b>1457CEPF</b> |                    | <b>1457CEPF-10</b> |
| 1457C1202E                             |                                                                                    | <b>1457CEPF</b> |                    | <b>1457CEPF-10</b> |
| 1457C1202EBK                           |                                                                                    | <b>1457CEPF</b> |                    | <b>1457CEPF-10</b> |
| 1457J1202E                             | -                                                                                  | <b>1457JWPF</b> | -                  | <b>1457JWPF-10</b> |
| 1457J1202EBK                           |                                                                                    | <b>1457JWPF</b> |                    | <b>1457JWPF-10</b> |
| 1457J1602E                             |                                                                                    | <b>1457JWPF</b> |                    | <b>1457JWPF-10</b> |
| 1457J1602EBK                           |                                                                                    | <b>1457JWPF</b> |                    | <b>1457JWPF-10</b> |
| 1457K1202E                             | -                                                                                  | <b>1457KEPF</b> | -                  | <b>1457KEPF-10</b> |
| 1457K1202EBK                           |                                                                                    | <b>1457KEPF</b> |                    | <b>1457KEPF-10</b> |
| 1457K1602E                             |                                                                                    | <b>1457KEPF</b> |                    | <b>1457KEPF-10</b> |
| 1457K1602EBK                           |                                                                                    | <b>1457KEPF</b> |                    | <b>1457KEPF-10</b> |
| 1457L1202E                             | -                                                                                  | <b>1457LWPF</b> | -                  | <b>1457LWPF-10</b> |
| 1457L1202EBK                           |                                                                                    | <b>1457LWPF</b> |                    | <b>1457LWPF-10</b> |
| 1457L1602E                             |                                                                                    | <b>1457LWPF</b> |                    | <b>1457LWPF-10</b> |
| 1457L1602EBK                           |                                                                                    | <b>1457LWPF</b> |                    | <b>1457LWPF-10</b> |