

APPLICATION NOTES

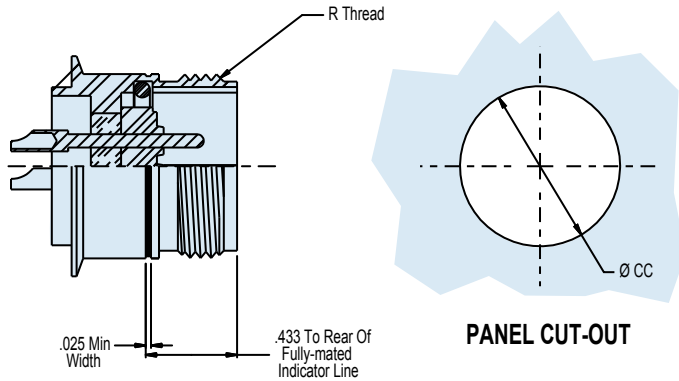
- To be identified with manufacturer's name, part number and date code, space permitting.
- Material/Finish:
Shell* and Jam-Nut:
Z1 - Stainless steel/passivated.
FT - Carbon steel/tin plated.
ZL - Stainless steel/nickel plated.
Contacts - 52 Nickel alloy/gold plated.
Bayonets - Stainless steel/passivated.
Seals - Silicone elastomer/N.A.
Insulation - Glass/N.A.
- Glenair 230-030 will mate with any QPL MIL-DTL-83723/86, /91, /95 and /97 Series III threaded coupling plug of same size, keyway, and insert polarization.
- Performance:
Hermeticity $<1 \times 10^{-7}$ cc He/sec @ 1 atmosphere differential.
Dielectric withstanding voltage - Consult factory or MIL-STD-1554.
Insulation resistance - 5000 MegOhms min @ 500VDC.
- Consult factory and/or MIL-STD-1554 for arrangement, keyway, and insert position options.
- Metric Dimensions (mm) are indicated in parentheses.

* Additional shell materials available, including titanium and Inconel®. Consult factory for ordering information.

230-030
MIL-DTL-83723/89 Series III Type Hermetic
Threaded Coupling Solder Flange Mount Receptacle
with Solder Cup Terminations



MIL-DTL
83723



| HERMETIC LEAK RATE MOD CODES | |
|------------------------------|--|
| Designator | Required Leak Rate |
| -585A | 1 x 10 ⁻¹⁰ cc's Helium per second |
| -585B | 1 x 10 ⁻⁹ cc's Helium per second |
| -585C | 1 x 10 ⁻⁸ cc's Helium per second |

| TABLE I: CONNECTOR AND CUT-OUT DIMENSIONS | | | | | | | | | |
|---|----------------------------|----------------------------|----------------------------|------------------------|----------------|--------------|--------------|----------------------------|-------------------|
| Shell Size | A Dia | C Dia | D Dia Shell I.D. | E Dia Resilient Insert | F Dia Max Seal | G Dia Max | K Dia Min | Ø CC Panel Cut-Out | R Coupling Thread |
| 8 | .723/.703 (18.4/17.9) | .500/.494 (12.7/12.5) | .418/.413 (10.6/10.5) | .290 (7.4) | .394 (10.0) | .562 (14.3) | .400 (10.2) | .515/.505 (13.1/12.8) | .562-24 UNEF-2A |
| 10 | .850/.830 (21.6/21.1) | .562/.556 (14.3/14.1) | .535/.530 (13.6/13.5) | .388 (9.9) | .515 (13.1) | .696 (17.7) | .411 (10.4) | .577/.567 (14.7/14.4) | .688-24 UNEF-2A |
| 12 | 1.055/1.035 (26.8/26.3) | .750/.744 (19.1/18.9) | .705/.700 (17.9/17.8) | .558 (14.2) | .685 (17.4) | .875 (22.2) | .581 (14.8) | .765/.755 (19.3/19.2) | .875-20 UNEF-2A |
| 14 | 1.100/1.080 (27.9/27.4) | .812/.806 (20.6/20.5) | .774/.769 (19.7/19.5) | .627 (15.9) | .754 (19.2) | .935 (23.7) | .650 (16.5) | .827/.817 (21.0/20.8) | .938-20 UNEF-2A |
| 16 | 1.220/1.200 (31.0/30.5) | .937/.931 (23.8/23.6) | .901/.896 (22.9/22.8) | .772 (19.6) | .881 (22.4) | 1.062 (27.0) | .765 (19.3) | .952/.942 (24.2/23.9) | 1.062-18 UNEF-2A |
| 18 | 1.350/1.330 (34.3/33.8) | 1.062/1.056 (27.0/26.8) | 1.007/1.002 (25.6/25.5) | .860 (21.8) | .987 (25.1) | 1.187 (30.1) | .864 (21.9) | 1.077/1.067 (27.4/27.1) | 1.188-18 UNEF-2A |
| 22 | 1.600/1.580 (40.6/40.1) | 1.312/1.306 (36.5/33.2) | 1.257/1.252 (31.9/31.8) | 1.110 (28.2) | 1.237 (31.4) | 1.437 (36.5) | 1.133 (28.8) | 1.327/1.317 (33.7/33.5) | 1.438-18 UNEF-2A |

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