



| REVISIONS | | | |
|-----------|---|------------------|------------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 01_0 | RELEASED | 11-28-83 | T.S. |
| 01_1 | MTG. HOLE DETAIL REVISED; .250 ±.005 THK. PANEL WAS .300 REF; ADDED DATEM A AND CONCENTRIC TOL/ECO 8852 | 1-23-86 | J.J./R.V. |
| 01_2 | .200±.001 WAS .196+.004/-0.003 PER ECO 9097 | 3-13-86 | J.J./R.V. |
| 02_0 | DEEPEND MOUNTING HOLE PER ECN 87-1456 | J.M. 12-4-87 | PCV |
| 02_1 | REDRAWN AND UPDATED PER ECN 88-0678 | M.C. 2-1-90 | BB 2-5-90 |
| 02_2 | ADDED A.P.#, .150 MIN THD WAS .170 ECN 90-1165 | BB 12-11-90 | KCM |
| 02_3 | ADDED ELECT/MECH/ENV DATA PER ECN 92-0010 | BB 11/12/92 | J.C. 11/13/92 |
| B | REVISED PER ECN 0U20-0262-01 | G.V. 12/17/92 | JGH |

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| HOUSING | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | PASSIVATE PER ASTM-A380 |
| DIELECTRIC | TFE FLUOROCARBON PER ASTM-D-1457 | N/A |
| CENTER CONTACT | BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H | GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550 |
| CONTACT EXT. BUSHING | IRON-NICKEL ALLOY PER MIL-I-23011 CLASS 1 (KOVAR) | GOLD PLATE PER MIL-G-45204 |
| "O" - RING | FLOUROSILOCONE PER MIL-R-25988, CLASS I, TYPE I. | N/A |
| HERMETIC SEAL | GLASS BEAD | N/A |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|---|--|
| Nominal Impedance (Ohms) 50 | Interface Dimensions Per OMNI-SPECTRA CATALOG | TEMPERATURE RATING -65°C TO +125°C |
| Frequency Range (GHz) DC - 18.0 | Recommended Mating Torque N/A | Vibration - MIL-STD-202, Method 204, Condition D, 20G's |
| Volt Rating (VRMS MAX) 375 @ Sea Level | Mating Characteristics | Shock - MIL-STD-202, Method 213, Condition I |
| VSWR 1.06 + .01 F(GHz) | Insertion (MAX Lbs) N/A | Thermal Shock MIL-STD-202, Method 107, Condition B |
| Insertion Loss (dB MAX) .05√F(GHz) | Withdrawal (MIN Oz) N/A | EXCEPT HIGH TEMP 115°C |
| RF Leakage (dB MIN) -60 - F(GHz) | Force To Engage (Lbs MAX) 3.0 | Moisture Resistance - MIL-STD-202, Method 106 |
| Corona, 70,000 Ft (VRMS MIN) 335 | Force To Disengage (Lbs MAX) 1.5 | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Dielectric Withstanding Voltage (VRMS MIN) 1000 @ Sea Level | Center Contact Captivation | Leak Test - MIL-STD-202, Method 112, Condition C, Procedure I, 1 x 10 ⁻⁸ CC/Sec |
| Contact Resistance (Milliohms MAX) | Axial (Lbs) 6.0 | |
| Center Contact 6.0 | Radial (In-Oz) 4.0 | |
| Outer Contact 2.0 | Weight (Grams) T.B.D. | |
| RF High Potential (VRMS MIN @ 5 MHz) 1000 @ Sea Level | | |
| I.R.(Megohms) 5000 | | |

| COMPONENT | MATERIAL | FINISH |
|--|-------------------|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON | DATE 11-10-83 | AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599 |
| FRAC. DEC. ANGLES | 11-16-83 | |
| ± 1/64 ± .005 ± ° | 11-18-83 | |
| USE ASS'Y PROCEDURE | 408-0460 (45-130) | TITLE OSP FIELD REPLACEABLE PANEL FEEDTHROUGH PLUG WITH HERMETIC SEAL |
| NO. A.P. _____ | NO. 26805 | 4557-5329-02 |
| | SCALE 5:1 | REV 02_3 |
| | | SHEET 1 OF 1 |

CUSTOMER DRAWING AMP PART # 1059637-1 SHEET 1 OF 1 REV B

Mouser Electronics

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