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| LOC | DIST | REVISIONS | | | |
|-----|------|-------------|-----------------------|---------|-------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| DF | XO | B | REV PER ECO 08-028827 | 24NOV08 | PK DW |

| COMPONENT | MATERIAL | FINISH |
|---------------------------------|--|---------------------------|
| HOUSING MOUNTING NUT LOCKWASHER | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | PASSIVATE PER ASTM-A-380 |
| DIELECTRIC | PTFE FLUOROCARBON PER ASTM-D-1457 | N/A |
| CENTER CONTACT | BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H | GOLD PLATE PER ASTM-B-488 |

RECOMMENDED MOUNTING HOLE

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|---|--|
| Nominal Impedance (Ohms) 50 | Interface Dimensions MIL-STD-348A, Fig. 310.2 | TEMPERATURE RATING +125°C |
| Frequency Range (GHz) DC to 18 GHz | Recommended Mating Torque 7-10 | Vibration MIL-STD-202, Method 204, Condition A |
| Volt Rating (VRMS MAX) @ Sea Level 335 | Mating Characteristics: | Shock MIL-STD-202, Method 213, Condition I |
| VSWR 1.05 + .008X F(GHz) | Insertion (MAX Oz) 48 | Thermal Shock MIL-STD-202, Method 107, Condition A, Except High Temp |
| Insertion Loss (dB MAX) .15 √ F(GHz) | Withdrawal (MIN Oz) 4 | Moisture Resistance MIL-STD-202, Method 106 |
| RF Leakage (dB MIN) -90 @ 2-3 GHz | Force to Engage and Disengage (In-Lbs MAX) 2 | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Corona, 70,000 Ft (VRMS MIN) | Center Contact Captivation | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1000 | Axial (Lbs) 6.0 | |
| Contact Resistance (Milliohms MAX) | Radial (In-Oz) 4.0 | |
| Center Contact 12.0 | Cable Retention | |
| Outer Contact 4.0 | Axial Force (Lbs) N/A | |
| Cable to Housing N/A | Torque (In-Oz) N/A | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670 | Weight (Grams) TBD | |
| I.R.(Megohms MIN) 5000 | | |

| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN | 8-5-07 | Tyco Electronics Corporation Harrisburg, PA 17105-3608 |
|--|--|------------------------------|--------------|--|
| DIMENSIONS: INCHES [mm] | | CHK | 8-5-07 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD | 8-5-07 | |
| 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 [0.13] 4 PLC ± - ANGLES ± - FINISH SEE CALLOUTS | | NAME | PRODUCT SPEC | |
| MATERIAL SEE CALLOUTS | | APPLICATION SPEC | | NAME SMA BULKHEAD FEEDTHRU JACK TO JACK ADAPTER WITH CAPTURED CENTER CONTACT SIZE A2 CAGE CODE 00779 DRAWING NO 1883077 RESTRICTED TO |
| CUSTOMER DRAWING | | SCALE 5:1 SHEET 1 of 1 REV B | | |

AMP 1471-9 REV 31MAR2000

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PART NUMBER