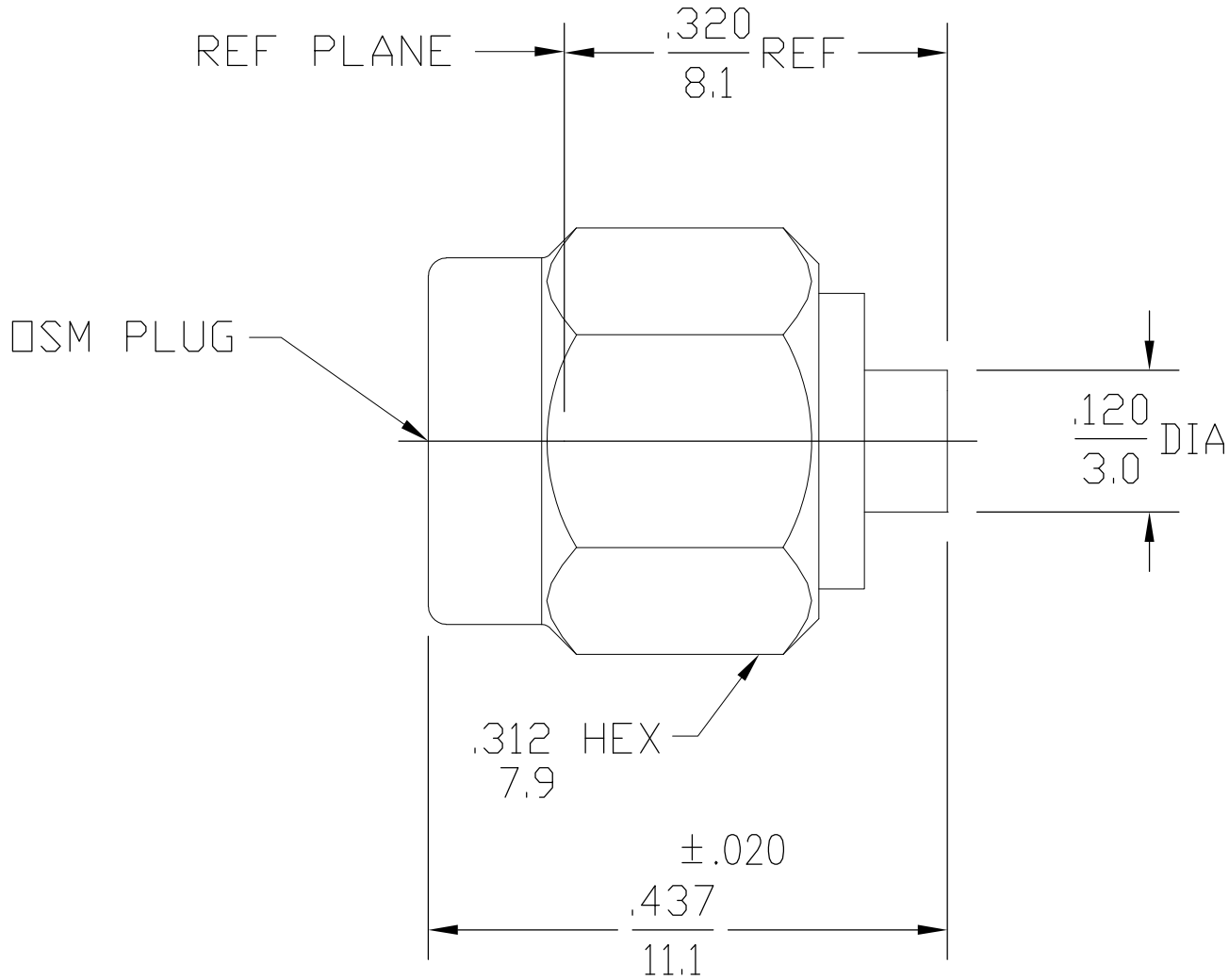


|                                                                                 |      |
|---------------------------------------------------------------------------------|------|
| DESIGNED FOR USE WITH<br>.085 DIA S.R. CABLE<br>CABLE ENTRY DIAMETER<br>MINIMUM |      |
| CONTACT                                                                         | .021 |
| HOUSING                                                                         | .089 |

| LOC | DIST | REVISIONS   |                       |           |     |      |
|-----|------|-------------|-----------------------|-----------|-----|------|
| P   | LTR  | DESCRIPTION |                       | DATE      | DWN | APVD |
|     |      | B           | REV PER ECO 07-004710 | 3/12/2007 | DW  | KW   |



| ELECTRICAL                                                         | MECHANICAL                                             | ENVIRONMENTAL                                                                     |
|--------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------|
| Nominal Impedance (Ohms) <u>50</u>                                 | Interface Dimensions MIL-STD-348, Fig. <u>310.1</u>    | TEMPERATURE RATING <u>-65°C TO 105°C</u>                                          |
| Frequency Range (GHz) <u>DC to 18.0</u>                            | Recommended Mating Torque <u>7 to 10 in-LBs</u>        | Vibration MIL-STD-202, Method 204, Condition D                                    |
| Volt Rating (VRMS MAX) @ Sea Level <u>335</u>                      | Mating Characteristics: Insertion (MAX Lbs) <u>N/A</u> | Shock MIL-STD-202, Method 213, Condition I                                        |
| VSWR <u>1.05 + .005f(GHz)</u>                                      | Withdrawal (MIN Oz) <u>N/A</u>                         | Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP <u>115°C</u> |
| Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>                         | Force to Engage and Disengage (In/Lbs MAX) <u>2.0</u>  | Moisture Resistance MIL-STD-202, Method 106                                       |
| RF Leakage (dB MIN) <u>-(90-f(GHz))</u>                            | Center Contact Captivation Axial (Lbs) <u>N/A</u>      | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray                   |
| Corona, 70,000 Ft (VRMS MIN) <u>250</u>                            | Radial (In/Oz) <u>N/A</u>                              |                                                                                   |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1000</u> | Cable Retention Axial Force (Lbs) <u>30</u>            |                                                                                   |
| Contact Resistance (Milliohms MAX) Center Contact <u>2.0</u>       | Torque (In/Oz) <u>16</u>                               |                                                                                   |
| Outer Contact <u>2.0</u>                                           | Weight (Grams) <u>T.B.D.</u>                           |                                                                                   |
| Cable to Housing <u>0.5</u>                                        |                                                        |                                                                                   |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>        |                                                        |                                                                                   |
| I.R.(Megohms MIN) <u>10,000</u>                                    |                                                        |                                                                                   |

.XXX = in  
XX.X = mm

1050769-1  
PART NUMBER

|                      |                                                                                   |                            |
|----------------------|-----------------------------------------------------------------------------------|----------------------------|
| HOUSING COUPLING NUT | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303                             | GOLD PLATE PER MIL-G-45204 |
| DIELECTRIC           | TFE FLUOROCARBON PER ASTM-D-1457                                                  | N/A                        |
| CENTER CONTACT       | BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H OR BRASS PER ASTM-B-16 | GOLD PLATE PER MIL-G-45204 |
| RETAINING RING       | BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H                        | N/A                        |
| GASKET               | SILICONE RUBBER PER ZZ-R-765                                                      | N/A                        |
| COMPONENT            | MATERIAL                                                                          | FINISH                     |

|                                        |  |                  |                                                             |  |  |  |
|----------------------------------------|--|------------------|-------------------------------------------------------------|--|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN DRJ 11/1/76  | tyco Tyco Electronics Corporation Harrisburg, PA 17105-3608 |  |  |  |
| DIMENSIONS: INCHES                     |  | CHK -            | NAME OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT       |  |  |  |
|                                        |  | APVD RME         |                                                             |  |  |  |
|                                        |  | PRODUCT SPEC     | SIZE CAGE CODE DRAWING NO RESTRICTED TO                     |  |  |  |
| MATERIAL -                             |  | APPLICATION SPEC | A2 00779 C=1050769                                          |  |  |  |
| FINISH -                               |  | WEIGHT -         | SCALE 5:1 SHEET 1 of 1 REV B                                |  |  |  |
|                                        |  | CUSTOMER DRAWING |                                                             |  |  |  |