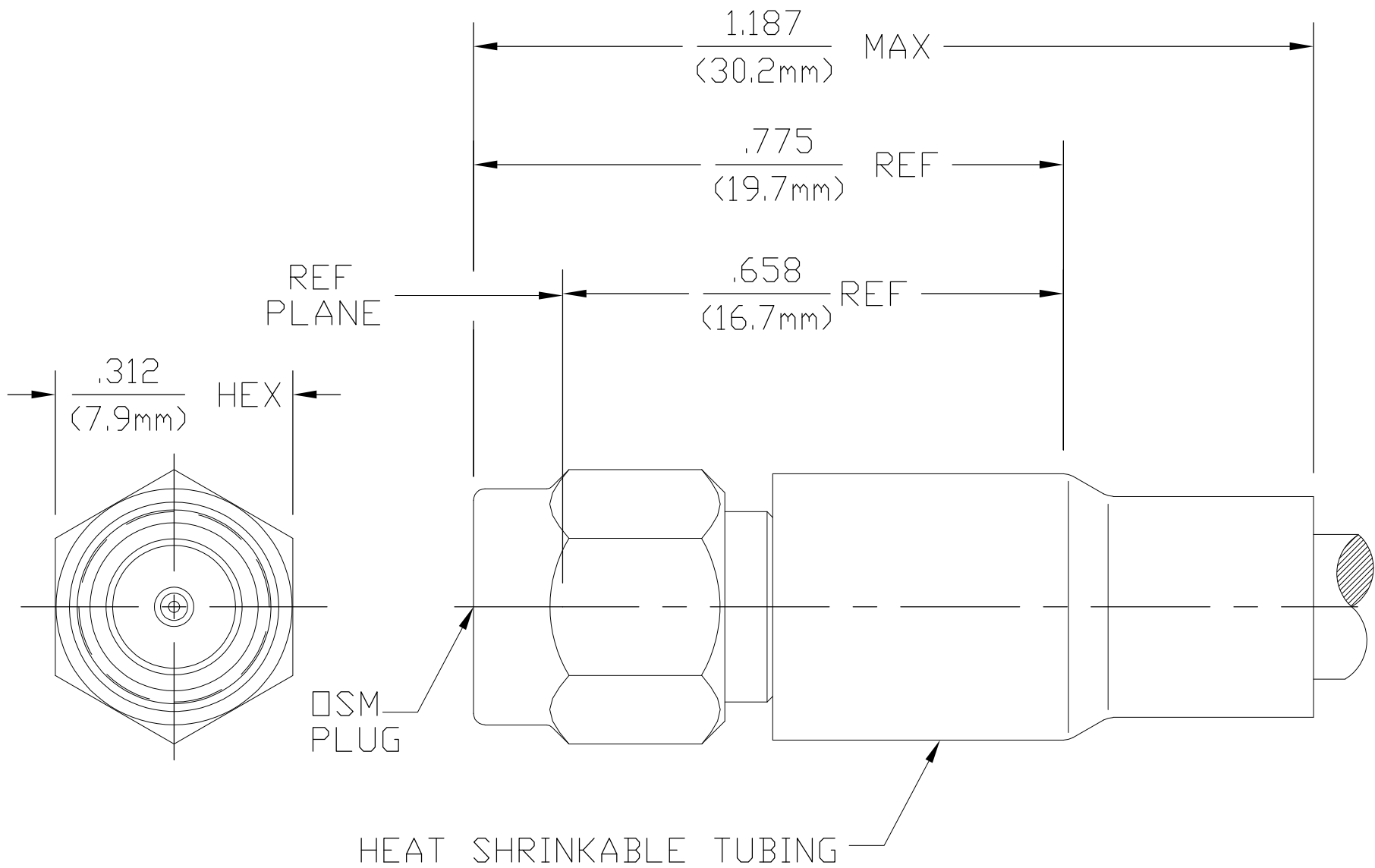


| | |
|---|------|
| DESIGNED FOR USE WITH RG-142/U CABLE | |
| CABLE ENTRY DIAMETER MINIMUM | |
| HOUSING | .119 |
| CONTACT | .040 |
| FERRULE | .216 |

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



1051638-1

PART NUMBER

| | | |
|-------------------------|--|---|
| HOUSING COUPLING NUT | STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303 | GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290 |
| 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 OVER COPPER PLATE PER MIL-C-14550 |
| RETAINING RING | BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H | N/A |
| GASKET | SILICONE RUBBER PER ZZ-R-765 | N/A |
| SHRINK TUBING | HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053/4 | N/A |
| FERRULE | COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM | GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550 |
| COMPONENT | MATERIAL | FINISH |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|---|--|
| Nominal Impedance (Ohms) 50 | Interface Dimensions MIL-STD-348A, Fig. 310.1 | TEMPERATURE RATING -62°C TO +165°C |
| Frequency Range (GHz) DC to 12.4 | Recommended Mating | Vibration MIL-STD-202, Method 204, Condition D. |
| Volt Rating (VRMS MAX) @ Sea Level 335 | Torque 7 to 10 in-lbs | Shock MIL-STD-202, Method 213, Cond I |
| VSWR 1.15 +.01 f(GHz) | Mating Characteristics: | Thermal Shock MIL-STD-202, Method 107, Condition B, |
| Insertion Loss (dB MAX) .06 √f(GHz) | Insertion (MAX Lbs) N/A | Moisture Resistance MIL-STD-202, Method 106 |
| RF Leakage (dB MIN) -[60-f(GHz)] | Withdrawal (MIN Oz) N/A | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Corona,70,000Ft (VRMS MIN) 250 | Force to Engage and Disengage (In-Lbs MAX) 2.0 | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1,000 | Center Contact Captivation | |
| Contact Resistance (Milliohms MAX) | Axial (Lbs) N/A | |
| Center Contact 2.0 | Radial (In-Oz) N/A | |
| Outer Contact 2.0 | Cable to Housing | |
| Cable to Housing 0.5 | Retention (lbs MIN) 40 | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670 | Weight (Grams) TBD | |
| I.R.(Megohms MIN) 10,000 | | |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .005
4 PLC ± -
ANGLES ± 1°
FINISH -

DWN BWC 2/29/68
CHK PRB 4/31/68
APVD WCS 4/31/68

PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

CUSTOMER DRAWING

tyco
Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
OSM STRAIGHT CABLE PLUG
SOLDER ATTACHMENT

SIZE A2
CAGE CODE 00779
DRAWING NO C=1051638
RESTRICTED TO -

SCALE 4:1
SHEET 1 of 1
REV B

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[2031-5002-00](#)