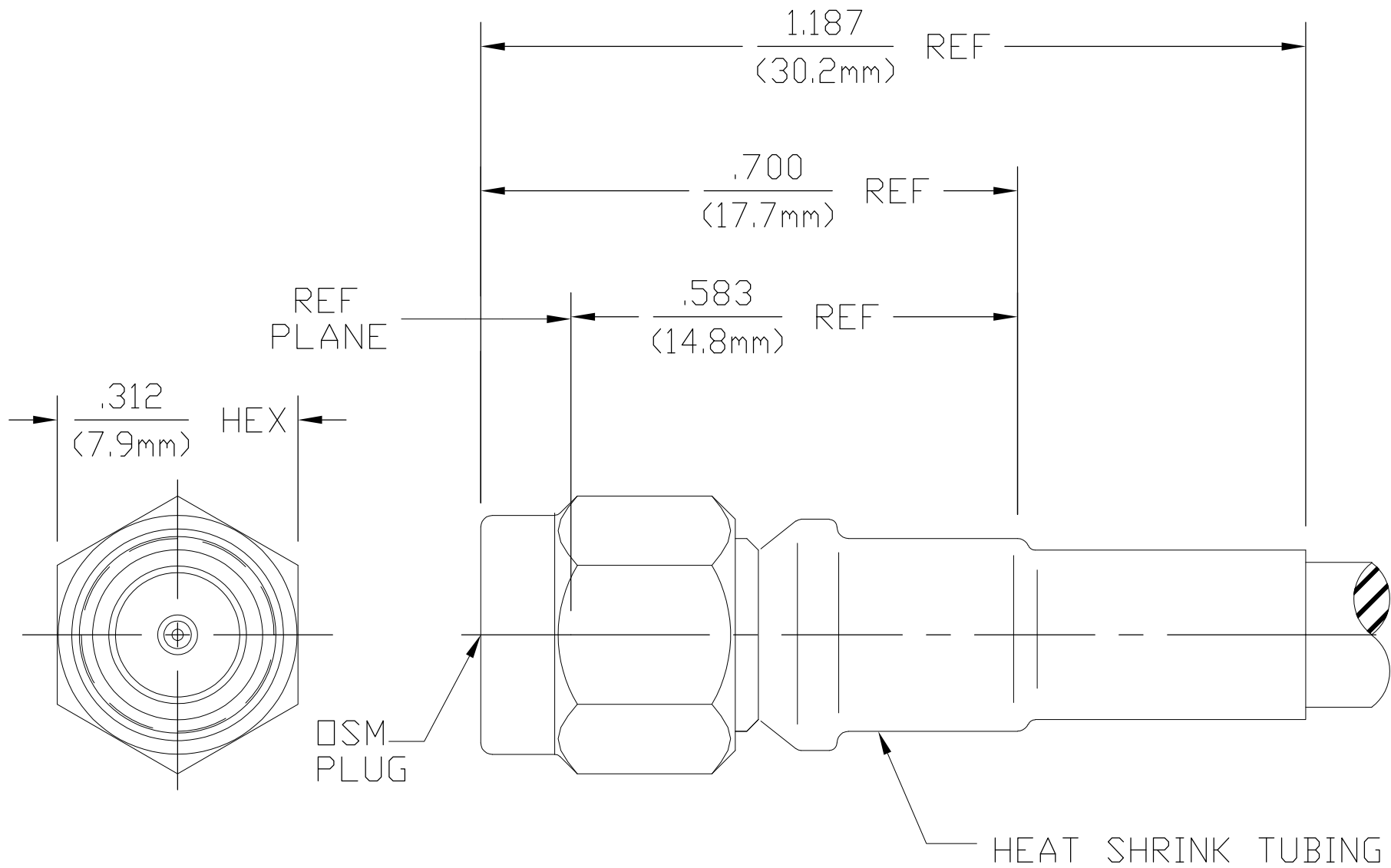


DESIGNED FOR USE WITH RG-142/U CABLE	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.119
CONTACT	.040
FERRULE	.216

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
AJ	00		B	REV PER ECO 07-004710	3/12/2007	DW	KW



1051651-1

PART
NUMBER

HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-	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 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	EXCEPT HIGH TEMP SHALL BE +85°C
RF Leakage (dB MIN) -[60-f(GHz)]	Withdrawal (MIN Oz) N/A	Moisture Resistance MIL-STD-202, Method 106
Corona,70,000Ft (VRMS MIN) 250	Force to Engage and	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1,000	Disengage (In-Lbs MAX) 2.0	
Contact Resistance (Milliohms MAX)	Center Contact Captivation	
Center Contact 2.0	Axial (Lbs) N/A	
Outer Contact 2.0	Radial (In-Oz) N/A	
Cable to Housing 0.5	Cable to Housing	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670	Retention (lbs MIN) 45	
I.R.(Megohms MIN) 10,000	Weight (Grams) TBD	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

MATERIAL
-

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

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

DWN
E.J.C
2/21/68

CHK
PRB
2/22/68

APVD
D NANIA
2/23/68

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

tyco
Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
OSM STRAIGHT CABLE PLUG
CRIMP ATTACHMENT

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1051651

RESTRICTED TO
-

SCALE
4:1

SHEET
1 of 1

REV
B