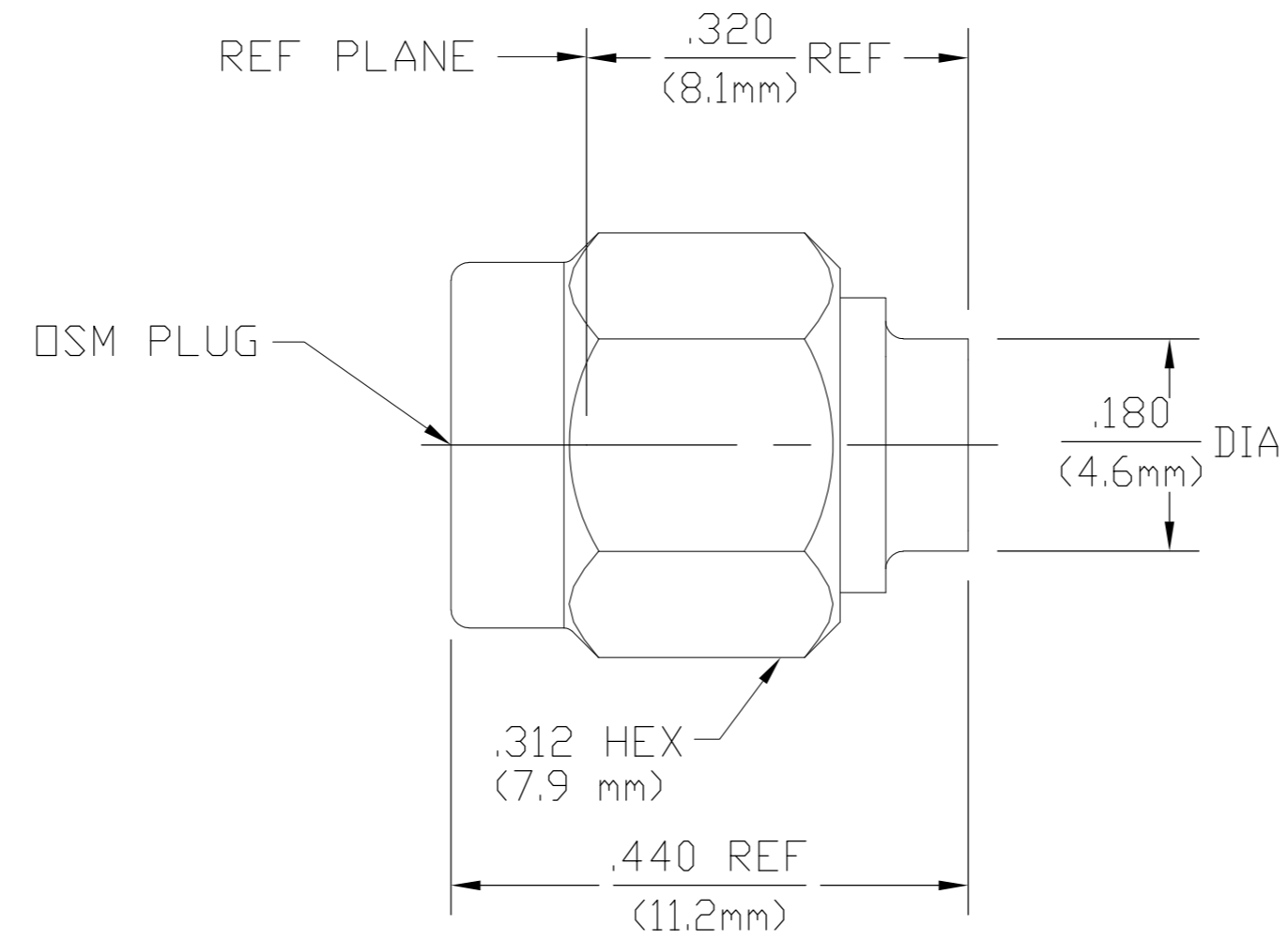


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DESIGNED FOR USE WITH  
 .141 DIA S.R. CABLE  
 CABLE ENTRY DIAMETER  
 MINIMUM

CONTACT	.039
HOUSING	.144

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
AJ	00	B	REV PER ECO 07-004710	3/14/2007	DW KW



1050524-1  
 PART NUMBER

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 310.1	TEMPERATURE RATING -65°C TO 125°C
Frequency Range (GHz) DC to 18.0	Recommended Mating Torque 7 to 10 in-LBs	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 500	Mating Characteristics:	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.05 + .008f(GHz)	Insertion (MAX Lbs) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP 115°C
Insertion Loss (dB MAX) .03 √f(GHz)	Withdrawal (MIN Oz) N/A	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -(90-f(GHz))	Force to Engage and Disengage (In/Lbs MAX) 2.0	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 375	Center Contact Captivation	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1500	Axial (Lbs) N/A	
Contact Resistance (Milliohms MAX)	Radial (In/Oz) N/A	
Center Contact 3.0	Cable Retention	
Outer Contact 2.0	Axial Force (Lbs) 60	
Cable to Housing 0.5	Torque (In/Oz) 55	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 1000	Weight (Grams) T.B.D.	
I.R.(Megohms MIN) 5,000		

COMPONENT	MATERIAL	FINISH
HOUSING MOUNTING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
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 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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	JPD	7/13/76
CHK	RNF	9/7/76
APVD	RNF	9/13/76

**tyco Electronics** Tyco Electronics Corporation  
Harrisburg, PA 17105-3608

NAME: OSM STARIGHT CABLE PLUG  
DIRECT SOLDER ATTACHMENT

SIZE	A2	CAGE CODE	00779	DRAWING NO	C=1050524	RESTRICTED TO	-
SCALE	5:1	SHEET	1 of 1	REV	B		

CUSTOMER DRAWING

1050524

A