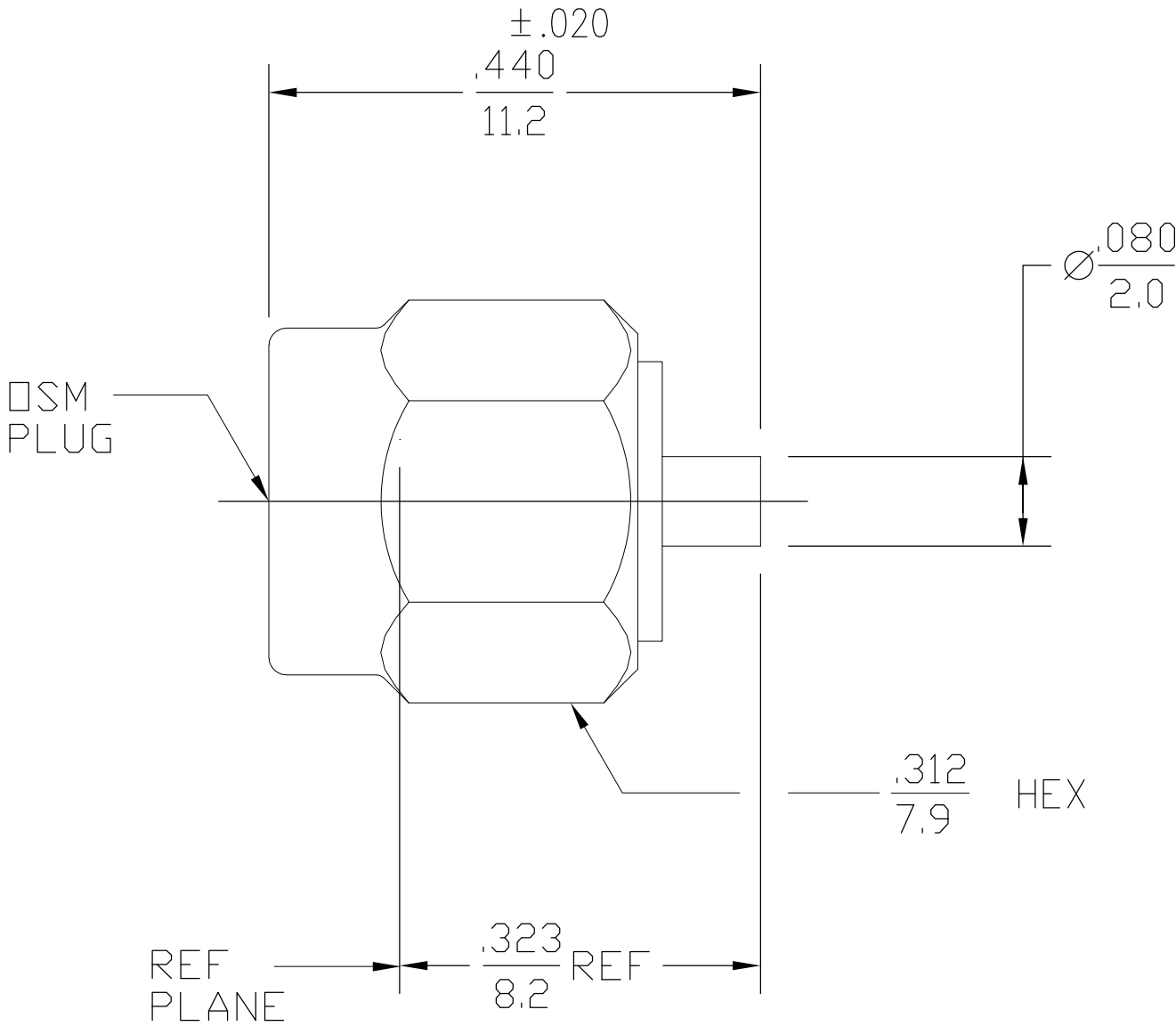


DESIGNED FOR USE WITH .047 SR	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.049
CONTACT	.0139

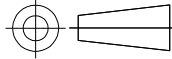
LOC	DIST	REVISIONS				
P	LTR	DESCRIPTION		DATE	DWN	APVD
		B	REV PER ECO 07-004710	3/12/2007	DW	KW



ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ω hms) <u>50</u>	Interface Dimensions MIL-STD-348A, Fig. <u>310-1</u>	TEMPERATURE RATING <u>-65° TO +165°C</u>
Frequency Range (GHz) DC to <u>18.0</u>	Recommended Mating Torque <u>7-10 IN-LBS</u>	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>170</u>	Mating Characteristics:	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.20 + .02f(GHz)</u>	Insertion (MAX Lbs) <u>3.0</u>	Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP +85°C
Insertion Loss (dB MAX) <u>.06 $\sqrt{f(GHz)}$</u>	Withdrawal (MIN Ω z) <u>1.0</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) <u>-[90-f(GHz)]</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>125</u>	Center Contact Captivation	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>500</u>	Axial (Lbs) <u>N/A</u>	
Contact Resistance (Milliohms MAX)	Radial (In- Ω z) <u>N/A</u>	
Center Contact <u>3.0</u>	Cable Retention	
Outer Contact <u>2.0</u>	Axial Force (Lbs) <u>10.0</u>	
Cable to Housing <u>0.5</u>	Torque (In- Ω z) <u>N/A</u>	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>335</u>	Weight (Grams) <u>TBD</u>	
I.R.(Megohms MIN) <u>5,000</u>		

.XXX = in
XX.X = mm (REF)

HOUSING COUPLING 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
COMPONENT	MATERIAL	FINISH

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN E.J.C 11/5/69		tyco Electronics Tyco Electronics Corporation Harrisburg, PA 17105-3608								
DIMENSIONS: INCHES		CHK B.K.W 11/10/69										
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD B.K.W 11/10/69		NAME OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT —							
	0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± .005 4 PLC ± — ANGLES ± 1°		PRODUCT SPEC —									
	MATERIAL —		APPLICATION SPEC —						SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
	FINISH —		WEIGHT —						A2	00779	C=1050766	—
CUSTOMER DRAWING				SCALE	5:1	SHEET	1 OF 1	REV	B			

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