

4

3

2

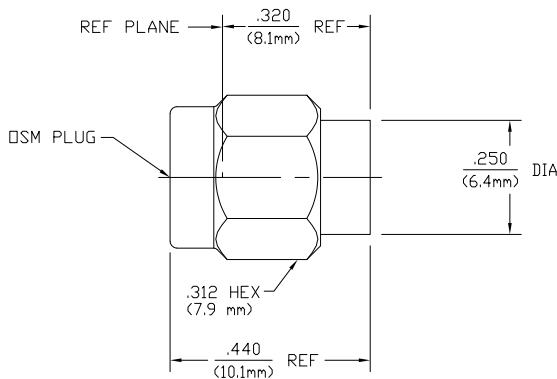
1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION
 © COPYRIGHT BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

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

CONTACT	.021
HOUSING	.089

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	BY	APPD
B		REV PER EDD 07-004710	3/15/2007	DW	KW



1050532-1
 PART NUMBER

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A	TEMPERATURE RATING -65°C TO +105°C
Frequency Range (GHz) DC to 18.0	Fig. 310.1	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 335	Recommended Mating Torque 7 to 10 In-Lbs	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.05 + .005f(GHz)	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP 115°C
Insertion Loss (dB MAX) .03 √f(GHz)	Insertion (MAX Lbs) N/A	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -[90-f(GHz)]	Withdrawal (MIN Oz) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 250	Force to Engage and Disengage (In-Lbs MAX) 2.0	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1000	Center Contact Captivation	
Center Contact Resistance (Milliohms MAX) 3.0	Axial (Lbs) N/A	
Outer Contact 2.0	Radial (In-Oz) N/A	
Cable to Housing 0.5	Cable Retention	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670	Axial Force (Lbs) 30	
I.R.(Megohms MIN) 10,000	Torque (In-Oz) 16	
	Weight (Grams) T.B.D.	

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	TFE 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.		DATE 2/28/74	BY [Signature]	Tyco Electronics Corporation
DRAWN		DATE 2/28/74	BY [Signature]	Harrisburg, PA 17105-3608
CHECKED		DATE 2/28/74	BY [Signature]	
APPROVED		DATE	BY [Signature]	
PRODUCT SPEC		NAME	OSM STARIGHT CABLE PLUG	
APPLICATION SPEC		SIZE	DIRECT SOLDER ATTACHMENT	
WEIGHT		SIZE	CAGE CODE	DRAWING NO.
MATERIAL		A2	00779	1050532
FINISH		CUSTOMER DRAWING	SCALE 5:1	SHEET 1 of 1

AMP 1471-9 REV 31MM2000

1050532

A

B