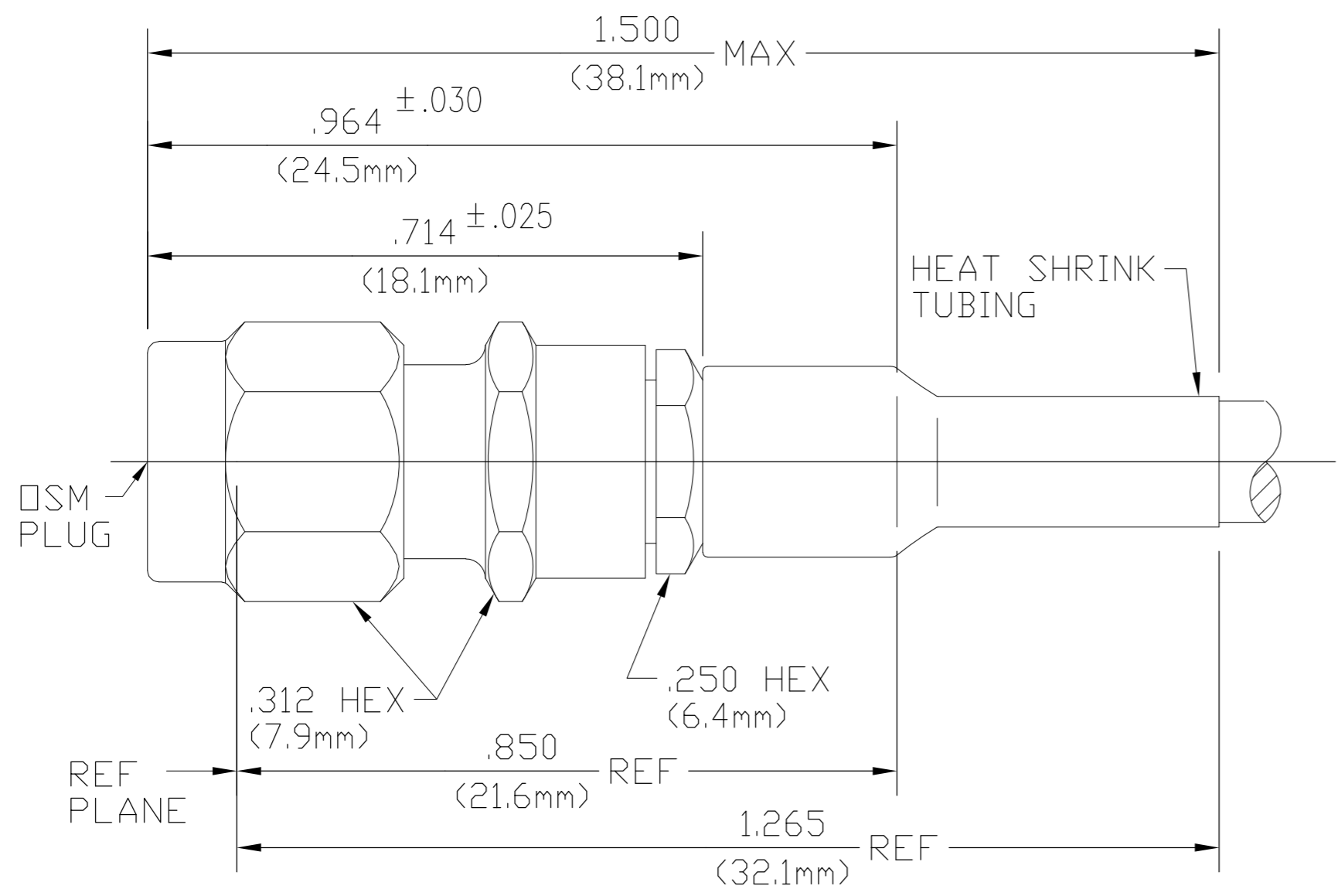


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CABLE ENTRY DIAMETER MINIMUM	
CONTACT	.040
SLEEVE	.119
DIELECTRIC	.040

LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD		
	B	REV PER ECO 070-004710	3/12/2007	DW	KW		

- NOTES:
- DESIGNED FOR USE WITH RG 55/U, 142, 223, AND 400 CABLES.
  - CAPTURED CENTER CONTACT
  - SEE MIL-C-17 FOR MAX RATINGS FOR APPLICABLE CABLE.



1051660-1  
PART NUMBER

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions <u>MIL-STD-348 Fig. 310-1</u>	Temperature Rating <u>-65°C - (SEE NOTE 3)</u>
Frequency Range (GHz) <u>0 - (See Note 3)</u>	Recommended Mating Torque <u>7-10 IN/Lbs</u>	Vibration <u>MIL-STD-202, Method 204,</u> <u>Condition D</u>
Volt Rating (VRMS MAX) <u>335</u>	Mating Characteristics: Insertion (MAX Lbs) <u>3.0</u>	Shock <u>MIL-STD-202, Method 213,</u> <u>Condition I</u>
VSWR <u>1.15 +.01(f GHz)</u>	Withdrawal (MIN Oz) <u>2.0</u>	Thermal Cycling <u>MIL-STD-202,</u> <u>Method 107, Condition B Except</u> <u>HIGH TEMP SHALL BE 85°C (HIGH</u> <u>TEMP SHALL BE 200°C WHEN USED</u> <u>WITH 200°C CABLES PER MIL-C-17)</u>
Insertion Loss (dB MAX) <u>.06(f/GHz)</u>	Connector Engagement and Disengagement (In/Lbs MAX) <u>2.0</u>	Moisture Resistance <u>MIL-STD-202,</u> <u>Method 106</u>
RF Leakage (dB) <u>-60</u>	Center Contact Captivation: Axial <u>6.0</u>	Corrosion <u>MIL-STD-202, Method 101,</u> <u>Condition B</u>
Corona, 70 Ft (VRMS MIN) <u>250</u>	Radial <u>N/A</u>	
Dielectric Withstanding Voltage (VRMS MIN) <u>1,000</u>	Cable Retention Axial Lbs <u>40 Min</u>	
Contact Resistance (Milliohms MAX) Center Contact <u>3.0</u>	Torque <u>N/A</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>5.0</u>	
Cable To Housing (Milliohms Max) <u>0.5</u>	Hermetic Seal <u>N/A</u>	
RF High Potential (VRMS MIN @ 5 MHz) <u>670</u>		
I.R. (Megohms) <u>5,000</u>		

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT CLAMP NUT SLEEVE	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
DIELECTRIC	NYLON	N/A
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457, MIL-P-19468, AND FED. SPEC L-P-403	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B196, ALLOY 173 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-B196, ALLOY 173	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053-11	N/A
FERRULE	SOFT COPPER ALLOY	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550

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DWN	E.J.C	5-16-69
CHK	B.K.W	5-17-69
APVD	D.NANIA	5-20-69

tyco Electronics  
Tyco Electronics Corporation  
Harrisburg, PA 17105-3608

NAME: OSM STRAIGHT CABLE PLUG CRIMP ATTACHMENT

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C=1051660	-

CUSTOMER DRAWING SCALE 5:1 SHEET 1 of 1 REV B