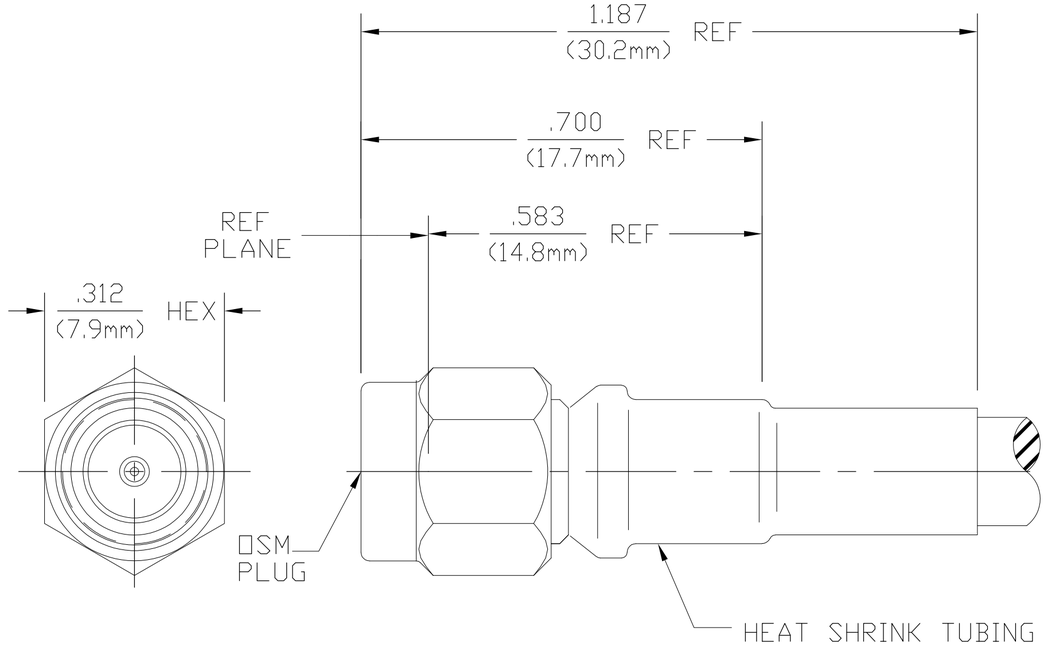
LOC	DIST
AJ	00

REVISIONS

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

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



1051651-1
PART NUMBER

COMPONENT	MATERIAL	FINISH
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

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 Torque 7 to 10 in-lbs	Vibration MIL-STD-202, Method 204, Condition D.
Volt Rating (VRMS MAX) @ Sea Level 335	Mating Characteristics:	Shock MIL-STD-202, Method 213, Cond I
VSWR 1.15 +.01 f(GHz)	Insertion (MAX Lbs) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP SHALL BE +85°C
Insertion Loss (dB MAX) .06 $\sqrt{f(GHz)}$	Withdrawal (MIN Oz) N/A	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -[60-f(GHz]	Force to Engage and Disengage (In-Lbs MAX) 2.0	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona,70,000Ft (VRMS MIN) 250	Center Contact Captivation	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1,000	Axial (Lbs) N/A	
Contact Resistance (Milliohms MAX)	Radial (In-Oz) N/A	
Center Contact 2.0	Cable to Housing	
Outer Contact 2.0	Retention (lbs MIN) 45	
Cable to Housing 0.5	Weight (Grams) TBD	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670		
I.R.(Megohms MIN) 10,000		

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .005
4 PLC ± -
ANGLES ± 1°

MATERIAL -
FINISH -

DWN	E.J.C	2/21/68
CHK	PRB	2/22/68
APVD	D NANIA	2/23/68
PRODUCT SPEC	-	
APPLICATION SPEC	-	
WEIGHT	-	

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-1051651	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 1 | REV B

1051651