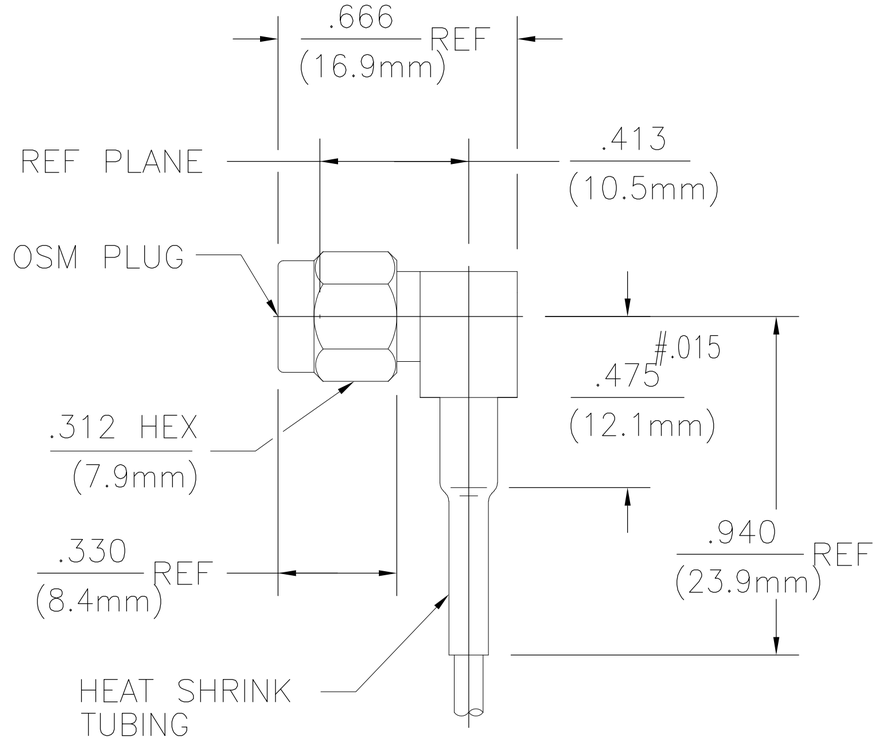
LOC	DIST
AJ	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REV PER ECO 07-004710	3/9/2007	DW	KW

DESIGNED FOR USE WITH RG178/U CABLE	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.036
CONTACT	.025



ELECTRICAL		MECHANICAL		ENVIRONMENTAL	
Nominal Impedance (Ohms)	50	Interface Dimensions MIL-STD-348A, Fig. 310.1		TEMPERATURE RATING	-65$C TO +165$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	170	Force to Engage and Disengage (In/Lbs MAX)	2.0	Shock MIL-STD-202, Method 213, Condition I	
VSWR	1.25 + .025 f(GHz)	Center Contact Captivation		Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP +85$C	
Insertion Loss (db MAX)	.07 $\sqrt{f(GHz)}$	Axial (Lbs)	6.0	Moisture Resistance MIL-STD-202, Method 106, Except Vibration Shall Be Omitted	
RF Leakage (dB MIN)	-[60 -f(GHz)]	Radial (In/Oz)	4.0	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray	
Corona, 70,000 Ft (VRMS MIN)	125	Cable Retention Axial Force (Lbs MIN)	20.0		
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level	500	Weight (Grams)	4.6		
Contact Resistance (Milliohms MAX) Center Contact	2.0				
Outer Contact	2.0				
Cable to Housing	0.5				
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz)	335				
I.R.(Megohms MIN)	10,000				

1052097-1
PART NUMBER

COMPONENT	MATERIAL	FINISH
COUPLING NUT HOUSING CAP	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
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 NICKEL PLATE PER QQ-N-290
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053/4	N/A

1052097

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	WK	7/1/77
CHK	KWW	7/18/77
APVD	R M FAWSON	7/28/77
PRODUCT SPEC	—	
APPLICATION SPEC	—	
WEIGHT	—	

tyco Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
OSM RIGHT ANGLE CABLE PLUG-CRIMP ATTACHMENT
—

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1052097	—

CUSTOMER DRAWING | SCALE 2:1 | SHEET 1 OF 1 | REV B