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DESIGNED FOR USE WITH
.085 S/R CABLE

CABLE ENTRY DIAMETER
MINIMUM

HOUSING

.089

CONTACT

.037

LOC

AJ

DIST

00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REV PER ECO 07-004710	2/27/2007	DW	KW

REF PLANE

.675
17.1

REF

.535
13.6

REF

.413
10.5

REF

OSM
PLUG

.312
7.9

HEX

±.010

.312
7.9

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348, Fig. 310-1	TEMPERATURE RATING -65 TO 125°C
Frequency Range (GHz) DC to 12	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 335	Torque 7-10 IN-LBS	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.10 + .01(f)	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP +115°C
Insertion Loss (dB MAX) .05 √f(GHz)	Insertion (MAX Lbs) N/A	Moisture Resistance MIL-STD-202, Method 106,
RF Leakage (dB MIN) -60	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	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1000	Center Contact Captivation	
Contact Resistance (Milliohms MAX)	Axial (Lbs) 6.0	
Center Contact 3.0	Radial (In/Oz) 4.0	
Outer Contact 2.0	Cable Retention	
Cable to Housing 0.5	Axial Force (Lbs) 30	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670	Torque (In/Oz) 16	
I.R.(Megohms MIN) 5000	Weight (Grams) 3.9	

.XXX = in

XX.X = mm

HOUSING CAP	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
COMPONENT	MATERIAL	FINISH

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°
FINISH -

MATERIAL -

DWN RPM 4/14/72

CHK BWC 4/17/72

APVD PRB 4/17/72

PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING

tyco
Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME OSM RIGHT ANGLE CABLE
PLUG-DIRECT SOLDER ATTACHMENT

SIZE A2

CAGE CODE 00779

DRAWING NO C=1051157

RESTRICTED TO -

SCALE 5:1

SHEET 1 of 1

REV B

1051157-1

PART
NUMBER

1051157

AMP 1471-9 REV 31MAR2000