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

CONTACT

.021

HOUSING

.089

LOC

AJ

DIST

00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REV PER ECO 07-004710	3/15/2007	DW	KW

REF PLANE

.320
(8.1mm)

REF

OSM PLUG

.312 HEX
(7.9 mm)

.440
(10.1mm)

REF

.250
(6.4mm)

DIA

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

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

1050532-1
PART NUMBER

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 RNL 2/28/74

CHK RMF 2/28/74

APVD BWC 2/28/74

PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING

tyco
Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME

OSM STARIGHT CABLE PLUG
DIRECT SOLDER ATTACHMENT

SIZE

A2

CAGE CODE

00779

DRAWING NO

C=1050532

RESTRICTED TO

-

SCALE

5:1

SHEET

1 of 1

REV

B

AMP 1471-9 REV 31MAR2000