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DESIGNED FOR USE WITH

.047 SR

CABLE ENTRY DIAMETER

MINIMUM

HOUSING

CONTACT

.049

.0139

LOC

AJ

DIST

00

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

B

REV PER ECO 07-004710

3-2-2007

DW

KW

±.020

.440

11.2

Ø.080

2.0

.312

7.9

HEX

REF PLANE

.323

8.2

REF

OSM PLUG

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 310-1	TEMPERATURE RATING -65° TO +165°C
Frequency Range (GHz) DC to 18.0	Recommended Mating Torque 7-10 IN-LBS	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 170	Mating Characteristics: Insertion (MAX Lbs) 3.0	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.20 + .02f(GHz)	Withdrawal (MIN Oz) 1.0	Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP +85°C
Insertion Loss (dB MAX) .06 √f(GHz)	Force to Engage and Disengage (In-Lbs MAX) 2.0	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -[90-f(GHz)]	Center Contact Captivation Axial (Lbs) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 125	Radial (In-Oz) N/A	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 500	Cable Retention Axial Force (Lbs) 10.0	
Contact Resistance (Milliohms MAX) Center Contact 3.0	Torque (In-Oz) N/A	
Outer Contact 2.0	Weight (Grams) TBD	
Cable to Housing 0.5		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 335		
I.R.(Megohms MIN) 5,000		

.XXX = in

XX.X = mm (REF)

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
DIELECTRIC	PTFE FLUDROCARBON 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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± -

TOLERANCES UNLESS OTHERWISE SPECIFIED:

FINISH -

DWN L.ROSS 5-10-89

CHK BB 5-11-89

APVD D.F 5-19-89

PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING

tyco

Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME OSM STRAIGHT CABLE
PLUG-DIRECT
SOLDER ATTACHMENT

SIZE A2

CAGE CODE 00779

DRAWING NO C=1056231

RESTRICTED TO -

SCALE 5:1

SHEET 1 of 1

REV B

1056231-1

PART NUMBER

AMP 1471-9 REV 31MAR2000

Mouser Electronics

Authorized Distributor

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