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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)

HOUSING COUPLING NUT

DIELECTRIC

CENTER CONTACT

RETAINING RING

GASKET

STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303

PTFE FLUDROCARBON PER ASTM-D-1457

BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H OR BRASS PER ASTM-B-16

BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H

SILICONE RUBBER PER ZZ-R-765

GOLD PLATE PER MIL-G-45204

N/A

GOLD PLATE PER MIL-G-45204

N/A

N/A

COMPONENT

MATERIAL

FINISH

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

0

1

2

3

4

PLC

PLC

PLC

PLC

PLC

±

±

±

±

±

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-

-

ANGLES ± -

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

1056231

B

A

AMP 1471-9 REV 31MAR2000