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DESIGNED FOR USE WITH
RG196/U OR EQUIVALENT
CABLE ENTRY DIAMETER
MINIMUM

FERRULE	.101
SLEEVE	.037
DIELECTRIC	.015
CONTACT	.021

LOC
AJ

DIST
00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REV PER ECO 07-004710	3/12/2007	DW	KW

1051686-1

PART NUMBER

OSM PLUG

HEAT SHRINK TUBING

HEX

HEX

1.500
38.1

1.020
25.9

.705
17.9

.250
6.4

.312
7.9

MAX

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	Recommended Mating Torque 7 to 10 in-lbs	Vibration MIL-STD-202, Method 204, Condition D.
Volt Rating (VRMS MAX) @ Sea Level 170	Mating Characteristics: Insertion (MAX Lbs) N/A	Shock MIL-STD-202, Method 213, Condition I.
VSWR 1.20 +0.025(F)GHz	Withdrawal (MIN Oz) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B,
Insertion Loss (dB MAX) .06 √F(GHz)	Force to Engage and Disengage (In-Lbs MAX) 2.0	EXCEPT HIGH TEMP +85°C.
RF Leakage (dB MIN) -[60-F(GHz)]	Center Contact Captivation Axial (Lbs) 6.0	Moisture Resistance MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN) 125	Radial (In-Oz) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 500	Cable Retention Axial Force (Lbs MIN) 10	
Contact Resistance (Milliohms MAX) Center Contact 3.0	Torque (In-Oz MIN) 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) 10,000		

HOUSING COUPLING NUT CLAMP NUT SLEEVE	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
DIELECTRIC	NYLON OR ZYTEL #101 PER MIL-M-20693A, TYPE 1	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
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET "O" RING	SILICONE RUBBER PER ZZ-R-765	N/A
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053/4	N/A
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204
COMPONENT	MATERIAL	FINISH

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

MATERIAL -

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .005

4 PLC ± -

ANGLES ± 1°

FINISH -

DWN PRB 12/14/72

CHK RMF 12/15/72

APVD BWC 12/15/72

PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING

tyco
Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME OSM STRAIGHT CABLE
PLUG CRIMP ATTACHMENT

SIZE A2

CAGE CODE 00779

DRAWING NO C=1051686

RESTRICTED TO -

SCALE 3:1

SHEET 1 of 1

REV B

AMP 1471-9 REV 31MAR2000