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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

1.500
38.1

MAX

1.020
25.9

.705
17.9

.250
6.4

HEX

.312
7.9

HEX

HEAT SHRINK
TUBING

OSM
PLUG

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	Vibration MIL-STD-202, Method 204, Condition D.
Volt Rating (VRMS MAX) @ Sea Level 170	Torque 7 to 10 in-lbs	Shock MIL-STD-202, Method 213, Condition I.
VSWR 1.20 +0.025(f)GHz	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP +85°C.
Insertion Loss (dB MAX) .06 √f(GHz)	Insertion (MAX Lbs) N/A	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -[60-f(GHz)]	Withdrawal (MIN Oz) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 125	Force to Engage and Disengage (In-Lbs MAX) 2.0	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 500	Center Contact Captivation	
Contact Resistance (Milliohms MAX)	Axial (Lbs) 6.0	
Center Contact 3.0	Radial (In-Oz) N/A	
Outer Contact 2.0	Cable Retention	
Cable to Housing 0.5	Axial Force (Lbs MIN) 10	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 335	Torque (In-Oz MIN) N/A	
I.R.(Megohms MIN) 10,000	Weight (Grams) TBD	

HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380
COUPLING NUT		
CLAMP NUT		
SLEEVE	TFE FLUOROCARBON PER ASTM-D-1457	N/A
DIELECTRIC	NYLON OR ZYTEL #101 PER MIL-M-20693A, TYPE 1	N/A
DIELECTRIC		
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

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±	-
1 PLC	±	-
2 PLC	±	-
3 PLC	±	.005
4 PLC	±	-
ANGLES	±	1°
FINISH	-	-

MATERIAL

-

DWN RBG 9/17/76

CHK RMF 10/4/76

APVD RMF 10/4/76

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=1051687

RESTRICTED TO

-

SCALE

4:1

SHEET

1 of 1

REV

B

1051687

AMP 1471-9 REV 31MAR2000