

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

© COPYRIGHT

BY TYCO ELECTRONICS CORPORATION.

ALL RIGHTS RESERVED.

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

1.020
25.9

.705
17.9

HEAT SHRINK
TUBING

.250
6.4

HEX

.312
7.9

HEX

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	-	-

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