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DESIGNED FOR USE WITH
RG-174/U OR EQUIVALENT

LOC
AJ

DIST
00

CABLE ENTRY DIAMETER
MINIMUM

CONTACT

SLEEVE

CLAMP NUT

.021

.128

.179

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
B		REV PER ECO 07-004710	3/12/2007	DW	KW
C		REVISED PER ECO-08-030676	25-02-09	AEG	JKO

1.500
(38.1mm) MAX

1.020
(25.9mm) REF

.705
(17.9mm) REF

.250 HEX
(6.4mm)

.312 HEX
(7.9mm)

..903
(22.9mm) REF

OSM PLUG

HEAT SHRINK TUBING

REF PLANE

1 BRASS

2 STAINLESS STEEL

3 BERYLLIUM COPPER

4 PTFE

5 GOLD PLATE

6 PASSIVATED

7 SILICONE RUBBER

8 NICKEL PLATE

9 NYLON OR ZYTEL

10 POLYOLEFIN COMPOUND

10	1 5	1 5	1 5	9	3 5	4	7	1 5	3	7	1 5	1051664-2
10	1 5	2 5	2 5	9	3 5	4	7	2 5	3	7	2 5	1051664-1
SHRINK TUBE	FERRULE	CLAMP NUT	SLEEVE	DIELECTRIC REAR	CONTACT	DIELECTRIC	"O" RING	HOUSING	LOCKING RING	GASKET	COUPLING NUT	TE PN

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 12.4	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 250	Torque 7-10 IN-LB	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.15+.02 f(GHz)	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition 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	Withdrawal (MIN Oz) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 500	Force to Engage and Disengage (In-Lbs MAX) 2	
Contact Resistance (Milliohms MAX) Center Contact 3.0	Center Contact Captivation Axial (Lbs) 6.0	
Outer Contact 2.0	Radial (In-Oz) N/A	
Cable to Housing 0.5	Cable Retention Axial Force (Lbs) 20 MIN	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 500	Torque (In-Oz) N/A	
I.R.(Megohms MIN) 10,000	Weight (Grams) TBD	

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
F.J.C
5/16/69

CHK
B.W.C
5/17/69

APVD
D.NANIA
5/20/69

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

-

NAME

OSM STRAIGHT CABLE
PLUG CRIMP ATTACHMENT

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1051664

RESTRICTED TO

-

CUSTOMER DRAWING

SCALE
3:1

SHEET
1 OF 1

REV
C

Tyco Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

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