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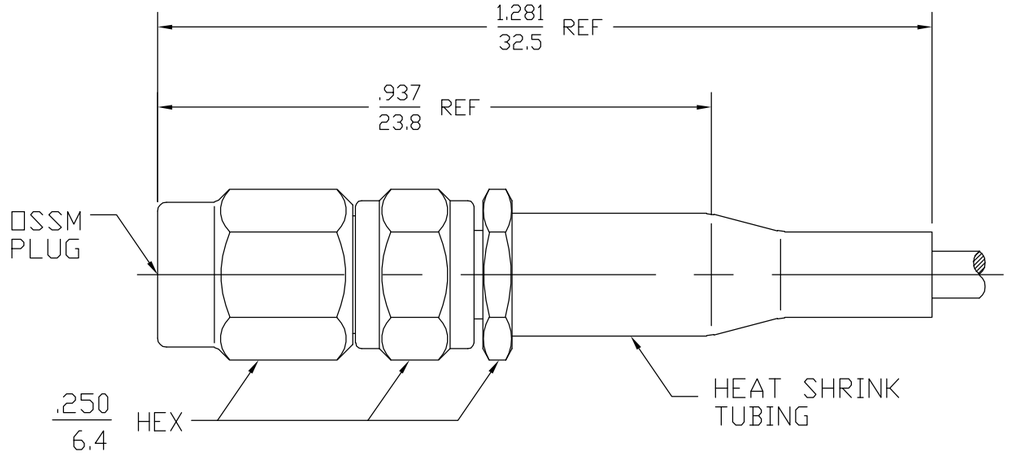
LOC	DIST
DF	X0

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REV PER OH14-0582-04	9-12-05	TJB	FB



ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A,	TEMPERATURE RATING -65°C TO +165°C
Frequency Range (GHz) DC to MAX OPERATING FREQUENCY OF CABLE	Fig. 319.1	Vibration MIL-STD-202, Method 204, Condition D.
Volt Rating (VRMS MAX) @ Sea Level 250	Recommended Mating Torque 4 - 5 in-lbs	Shock MIL-STD-202, Method 213, Condition I.
VSWR 1.07 MAX UP TO 400 MHZ MAX.	Mating Characteristics:	Thermal Shock MIL-STD-202,
Insertion Loss (dB MAX) $.04\sqrt{f(GHz)}$	Insertion (MAX Lbs) 3.0	Method 107, Condition B,
RF Leakage (dB MIN) -60 dB @ 2-3 GHz	Withdrawal (MIN Oz) 1.0	EXCEPT HIGH TEMP +85°C
Corona, 70,000 Ft (VRMS MIN) 190	Force to Engage and	Moisture Resistance MIL-STD-202,
Dielectric Withstanding Voltage	Disengage (In-Lbs MAX) 2.0	Method 106
(VRMS MIN) @ Sea Level 750	Center Contact Captivation	Corrosion - MIL-STD-202, Method
Contact Resistance (Milliohms MAX)	Axial (Lbs) 4.0	101, Condition B, 5% salt spray
Center Contact 4.0	Radial (In-Oz) N/A	
Outer Contact 2.0	Cable Retention	
Cable to Housing 5.0	Axial Force (Lbs MIN) 10	
RF High Potential @ Sea Level	Torque (In-Oz) N/A	
(VRMS MIN @ 5 MHz) 500	Weight (Grams) TBD	
I.R.(Megohms MIN) 5,000		

.XXX = in
XX.X = mm

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT CLAMP NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	NICKEL PLATE PER QQ-N-290
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	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
SLEEVE	BRASS PER ASTM-B-16 COMP. 360, HALF HARD	GOLD PLATE PER MIL-G-45204

DESIGNED FOR USE WITH RG-196/U CABLE	
CABLE ENTRY DIAMETER MINIMUM	
FERRULE	.098
SLEEVE	.036
CONTACT	.014

1044568-1
PART NUMBER

USE ASS'Y PROCEDURE
408-04787
NO. A.P. (10-015)

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°

MATERIAL: SEE TABLE
FINISH: SEE TABLE

DWN	TIM BLANCH	9-12-05
CHK	F.BLASICK	12-29-05
APVD	F.BLASICK	12-29-05
PRODUCT SPEC	—	
APPLICATION SPEC	—	
WEIGHT	—	

CUSTOMER DRAWING

tyco Electronics
Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

NAME
OSSM STRAIGHT CABLE PLUG
CRIMP CLAMP ATTACHMENT

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-1044568	—

SCALE	SHEET	REV
4:1	1 OF 1	B