



NOTES:
1. CAPTURED CENTER CONTACT

DESIGNED FOR USE WITH RG174, RG316	
CABLE ENTRY DIAMETER MINIMUM	020
SLEEVE	067
CONTACT	023

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
020	REVISED	5/30/97	Janczar <i>PW</i>

HOUSING CLAMP NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H	GOLD PLATE PER MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H	N/A
SLEEVE	BRASS PER ASTM-B-16, HALF HARD	GOLD PLATE PER MIL-G-45204
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

COMPONENT	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
GEN. TOL. ±.005	ANGLES ± 1°	
DRAWN BY: L ROSS CHECKED BY: K.C. MAHER APPD BY: LB		DATE: 3-15-89 3/16/89 4/5/89
USE ASSY PROCEDURE		TITLE: OSSM STRAIGHT CABLE PLUG- CRIMP ATTACHMENT
NO. AP: 10-055		SIZE: B CODE IDENT NO: 26805 SCALE: 4:1
		1031-5031-92 REV: 020 SHEET 1 OF 1

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-378A, Fig 319.1	Temperature Rating -55°C to +105°C
Frequency Range (GHz) DC to 12.4	Recommended Mating Torque 5 in-lbs	Vibration MIL-STD-202, Method 204, Condition D.
Volt Rating (VRMS MAX) @ Sea Level 250	Mating Characteristics: Insertion (MAX Lbs) N/A	Shock MIL-STD-202, Method 213, Condition I.
VSWR 1.07 ±0.05 (1GHz)	Withdrawal (MIN Oz) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B.
Insertion Loss (dB MAX) .04 √(MHz)	Force to Engage and Disengage (In-Lbs MAX) 2.0	Except High Temp +105°C
RF Leakage (dB MIN) -50 @ 2-3 GHz	Center Contact Captivation: Axial (Lbs) 4.0 MIN	Moisture Resistance MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN) 190	Radial (In-Oz) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN @ Sea Level) 750	Cable Retention: Axial Force (Lbs MIN) 20.0	
Contact Resistance (Milliohms MAX): Center Contact 20, Outer Contact 2.0	Torque (In-Oz) N/A	
Cable to Housing 0.5	Weight (Grams) TBD	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 500		
I.R. (Megohms MIN) 5,000		

.XXX = in
XX.X = mm (REF)

CUSTOMER

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REV 0