


DESIGNED FOR USE WITH	
RG-58, 303/U	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.121
DIELECTRIC	.052
CONTACT	.041

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01	RELEASED	11/6/96	<i>[Signature]</i>

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	TFE 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	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-328A, Fig. 310-1	Temperature Rating -55 TO +165°C
Frequency Range (GHz) DC to 12.4	Recommended Mating Torque 7-10 IN-LBS	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) Sea Level 335	Mating Characteristics: Insertion (MAX Lbs) N/A	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.15 + 0.01(GHz)	Withdrawal (MIN Oz) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B
Insertion Loss (dB MAX) .06 √GHz	Force to Engage and Disengage (In-Lbs MAX) 2	Except High Temp +85°C
RF Leakage (dB MIN) -60	Center Contact Cavitation Axial (Lbs) 6	Moisture Resistance MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN) 250	Radial (In-Oz) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1,000	Cable Retention Axial Force (Lbs) 40	
Contact Resistance (Milliohms MAX) Center Contact 3.0	Torque (In-Oz) N/A	
Outer Contact 2.0	Weight (Grams) TBD	
Cable to Housing .05		
RF High Potential Sea Level (VRMS MIN) 5 MHz 670		
I.R. (Megohms MIN) 5,000		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			DRAWN BY K. LE 9-12-95		 M/A-COM, Inc. Waltham, MA 02254
FRAC	DEC	ANGLES	CHECKED BY	APP'D BY <i>[Signature]</i> 11/6/96	
+ 1/64	+ .005	+ 1°			
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NO. AP. 20-514					
TITLE "OSM" STRAIGHT CABLE PLUG-CRIMP ATTACHMENT					
SIZE B	CODE IDENT NO. 26805	2031-8129-92	REV 01		
SCALE 5:1			SHEET 1 OF 1		

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