



DESIGNED FOR USE WITH  
RG405/U SEMI-RIGID CABLE  
CABLE ENTRY DIAMETER  
MINIMUM

HOUSING	.0875
CONTACT	.0209

REV		DESCRIPTION	DATE	APPROVED
010		RELEASED	9/27/91	CAS

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 319.2	Temperature Rating -65 TO +165 °C
Frequency Range (GHz) DC to 26	Recommended Mating Torque 7-8 in-lbs	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 250	Mating Characteristics: Insertion (MAX Lbs) 3	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.07 @ .010 (1GHz)	Withdrawal (MIN Oz) 1	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp Shall Be -85°C
Insertion Loss (dB MAX) $.07\sqrt{F(\text{GHz})}$ dB	Force to Engage and Disengage (in-Lbs MAX) 2.0	Moisture Resistance MIL-STD-202, Method 106, Except Vibration Shall Be Omitted
RF Leakage (dB MIN) -90 @ F(GHz) dB	Center Contact Caplivation: Axial (Lbs) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 190	Radial (in-Oz) N/A	
Dielectric Withstanding Voltage (VRMS MIN @ Sea Level) 750	Cable Retention: Axial Force (Lbs) 30	
Contact Resistance (Milliohms MAX): Center Contact 4.0	Torque (in-Oz) 16	
Outer Contact 2.0	Weight (Grams) TBD	
Cable to Housing 0.5		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 500		
IR (Megohms MIN) 5000		

COMPONENT	MATERIAL	FINISH
HOUSING MOUNTING NUT LOCKWASHER	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
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 OVER COPPER PLATE PER MIL-C-14550
O-RING	SILICONE RUBBER PER 22-R-765	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY <i>DLR</i> DATE <i>9/26/91</i>	<b>MACOM</b> an AMP company	H/A-COM, Inc. Waltham, MA 02254
	CHECKED BY <i>BB</i> DATE <i>9/26/91</i>		
FRAC. DEC. ANGLES ± VAL. ±.005 ± °	APPROVED BY <i>CAS</i> DATE <i>9/27/91</i>	TITLE OSSM BULKHEAD FEEDTHROUGH CABLE JACK DIRECT SOLDER ATTACHMENT	
USE ASSY PROCEDURE	NO. AP 10-053	SIZE B	CODE IDENT NO. 1004-5005-90
		SCALE 4:1	REV 010
			SHEET 1 OF 1

CUSTOMER 1045398  
SHEET 1 OF 1  
REV 0