



DESIGNED FOR USE WITH	RG-188/U CABLE
CABLE ENTRY DIAMETER MINIMUM	02 <sub>3</sub>
FERRULE	.125
HOUSING	.066
CONTACT	.021

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
02 <sub>3</sub>	REACTIVATED	1/26/99	<i>[Signature]</i>

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 B.
Volt Rating (VRMS MAX) Sea Level 250	Torque 7 to 10 in-lbs	Shock MIL-STD-202, Method 213, Condition I.
VSWR 1.15 ±0.15F (GHz)	Force to Engage and Disengage (in-lbs MAX) 2.0	Thermal Shock MIL-STD-202, Method 107, Condition B.
Insertion Loss (dB MAX) .15 @ 6 GHz	Center Contact Captivation	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -60 @ 2 - 3 GHz	Axial (lbs) N/A	Corrosion - MIL-STD-202, Method 101, Condition B. 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 375	Radial (in-oz) N/A	
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 750	Cable Retention	
Contact Resistance (Milliohms MAX)	Axial Force (lbs) 20.0	
Center Contact 3.0	Torque (in-lbs) N/A	
Outer Contact 2.0	Coupling Nut	
Cable to Housing .05	Retention (lbs MIN) 60	
RF High Potential Sea Level (VRMS MIN @ 5 MHz) 1,000	Proof Torque (in-lbs MIN) 15	
IR (Megohms MIN) 5,000	Weight (Grams) 2.9	

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
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	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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY DRF	DATE 10/14/76	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
TOLERANCE ON	CHECKED BY ECH	1-17-77	
FRACTIONAL DECIMAL ANGLES ± 1/64 ±.005 ± °	APPROVED BY RME	1/19/77	
USE ASSY PROCEDURE		TITLE OSM SRTAIGHT CABLE PLUG CRIMP ATTACHMENT	
408-04735 NO. AP. (20-049)		SIZE B	CODE IDENT NO. 26805
		SCALE 5 : 1	REV 02 <sub>3</sub>
		SHEET 1 OF 1	

CUSTOMER DRAWING AMP PART # 1051654-1 SHEET 1 OF 1 REV A