



CABLE ENTRY DIAMETER MINIMUM		REVISIONS			
HOUSING	.143	REV	DESCRIPTION	DATE	APPROVED
		03 <sub>0</sub>	REVISED	1-13-99	PATLAN

- NOTES:
1. DESIGNED FOR USE WITH .141 DIA. (RG 402/U) SEMI-RIGID CABLE.
  2. PICTORIAL VIEW IS AFTER CRIMPING.
  3. MIN. STRAIGHT CABLE LENGTH .389
  4. IT IS SUGGESTED TO BEND CABLE PRIOR TO CRIMPING.

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348	Temperature Rating <u>-65° to +105°C</u>
Frequency Range (GHz) DC to <u>18</u>	Fig. <u>310.3</u>	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX)	Recommended Mating	Shock MIL-STD-202, Method 213, Condition I
@ Sea Level <u>500</u>	Torque <u>7-10 in-lbs</u>	Thermal Shock MIL-STD-202, Method 102, Condition C
VSWR <u>1.035 @ 0.05GHz</u>	Cable Retention	Moisture Resistance MIL-STD-202, Method 106
Insertion Loss (dB MAX) <u>.03 @ 1GHz</u>	Axial Force (lbs) <u>60</u>	Corrosion - MIL-STD-202, Method 101, Condition B
RF Leakage (dB MIN) (Interface Only, Fully Mated) <u>-(100-1GHz)</u>	Torque (in/oz) <u>55</u>	
Corona, 70,000 Ft (VRMS MIN) <u>375</u>		
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1500</u>		
Contact Resistance (Milliohms MAX)		
Center Contact <u>2.0</u>		
Outer Contact <u>2.0</u>		
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1000</u>		
I.R. (Megohms MIN) <u>5000</u>		

AFTER CRIMPING	<u>.406</u> MAX	<u>.281</u> REF.
BEFORE CRIMPING	<u>.502</u> REF.	<u>.385</u> REF.
OPERATION	DIM "A"	DIM "B"

HOUSING COUPLING NUT BUSHING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER OO-P-35
GASKET	SILICONE RUBBER PER ZZ-R-765, CLASS 2B	N/A
COMPONENT	MATERIAL	FINISH

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY RG	DATE 9-21-84	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
FRAC. DEC. ANGLES 1/64 .005 ° °	CHECKED BY RG	9-21-84	
	APPROVED BY RG	9-21-84	
These drawings and specifications are the property of M/A COM Interconnect Div. and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission.	USE ASSY PROCEDURE	TITLE "SMA" STRAIGHT CABLE PLUG SOLDERLESS COMPRESSION CRIMP ATTACHMENT M39012/92-3201	
	NO. A.P. <u>20-581</u>	SIZE B	CODE IDENT NO. 26805
		SCALE 7:1	2001-8201-92
			REV 03 <sub>0</sub>
			SHEET 1 OF 1

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

CUSTOMER

1050791  
SHEET 1 OF 1  
REV 0