



CABLE ENTRY DIAMETER MINIMUM		REVISIONS			
		REV	DESCRIPTION	DATE	APPROVED
HOUSING	.143	A1	REVISED PER ECO-11-005294	13APR11	HMR

NOTES:

- DESIGNED FOR USE WITH .141 DIA (RG 402/U) SEMI-RIGID CABLE.
- PICTORAL VIEW IS AFTER CRIMPING.
- MIN. STRAIGHT CABLE LENGTH .389
- 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>	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>500</u>	Torque <u>7-10</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.035+0.005f(GHz)</u>	Center Contact Captivation	Thermal Shock MIL-STD-202, Method 102, Condition C
Insertion Loss (dB MAX) <u>.03x√f(GHz)</u>	Axial (Lbs) <u>6</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) (Interface Only, Fully Mated) <u>-(100-f(GHz))</u>	Cable Retention	Corrosion - MIL-STD-202, Method 101, Condition B
Corona, 70,000 Ft (VRMS MIN) <u>375</u>	Axial Force (Lbs) <u>60</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1500</u>	Torque (In/Oz) <u>55</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>		
IR.(Megohms MIN) <u>5000</u>		

	DIM "A"	DIM "B"	
BEFORE CRIMPING	.502 REF (12.8mm)	.385 REF (9.8mm)	
AFTER CRIMPING	.400 MAX (10.2mm)	.272 REF (6.9mm)	
COUPLING NUT HOUSING BUSHING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303		PASSIVATE PER QQ-P-35
GASKET	SILICONE RUBBER PER ZZ-R-765		N/A
COMPONENT	MATERIAL		FINISH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY <u>D.CAM</u> DATE <u>10/12/82</u>		
FRAC. DEC. ANGLES	CHECKED BY <u>RMF</u> DATE <u>10/22/82</u>		
± 1/64 ±.005 ± °	APPD BY <u>RMF</u> DATE <u>10/27/82</u>		
	USE ASS'Y PROCEDURE		TITLE <u>OSM STRAIGHT CABLE PLUG - COMPRESSION CRIMP ATTACHMENT</u>
	NO. AP. <u>408-04690 (20-198)</u>		SIZE <u>B</u> CODE IDENT NO. <u>26805</u> 1050740-1 REV <u>A1</u>
			SCALE <u>6:1</u> SHEET 1 OF 1