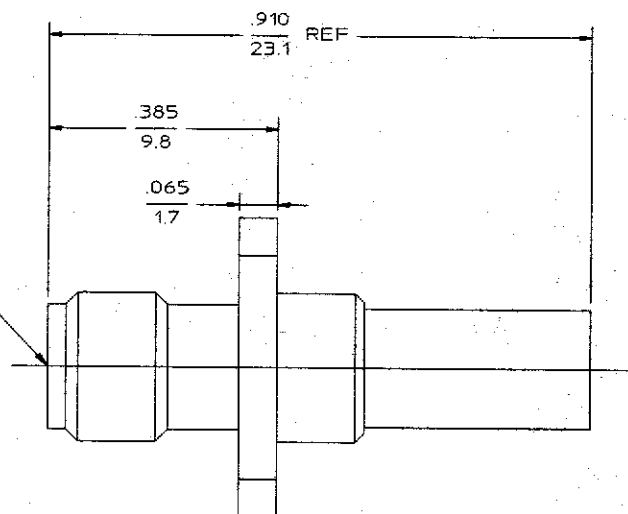
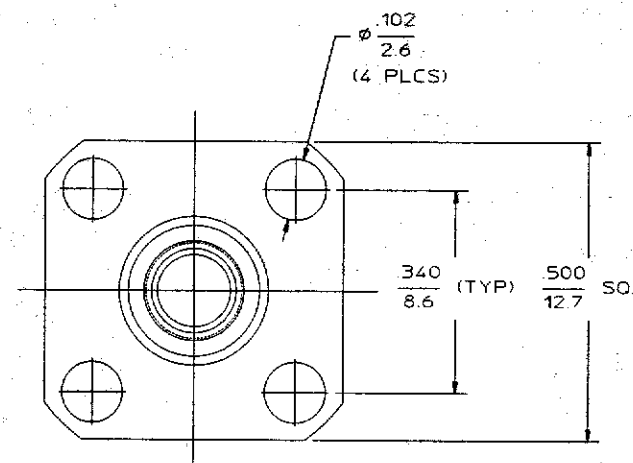




DESIGNED FOR USE WITH	
RG-142/U	
CABLE ENTRY DIAMETER MINIMUM	
FERRULE	.218
HOUSING	.121
CONTACT	.041

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 ₀	RELEASED	11/26/96	<i>RAC</i>



ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 310-2	Temperature Rating -65 TO +165°C
Frequency Range (GHz) DC to 12.4	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX)	Torque 7-10 IN-LBS	Shock MIL-STD-202, Method 213, Condition I
Sea Level 335	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B
VSWR 1.15 + 0.01 (GHz)	Insertion (MAX Lbs) 2	Except High Temp +65°C
Insertion Loss (dB MAX) .06 (MHz)	Withdrawal (MIN Oz) 1	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -60	Force to Engage and Disengage (In-Lbs MAX) 2	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 250	Center Contact Captivation	
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1,000	Axial (Lbs) 6	
Contact Resistance (Milliamps MAX)	Radial (In-Oz) N/A	
Center Contact 3.0	Cable Retention	
Outer Contact 2.0	Axial Force (Lbs) 45	
Cable to Housing 0.5	Torque (In-Oz) N/A	
RF High Potential Sea Level (VRMS MIN) 5 MHz 670	Weight (Grams) TBD	
IR (Megohms MIN) 5,000		

COMPONENT	MATERIAL	FINISH															
HOUSING	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															
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204															
<table> <tr> <td>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</td> <td>DRAWN BY K. LE</td> <td>DATE 9-26-96</td> </tr> <tr> <td>FRACTION 1/64</td> <td>DECIMAL .005</td> <td>ANGLES 1°</td> </tr> <tr> <td colspan="3"> 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. </td></tr> <tr> <td colspan="3"> USE ASSY PROCEDURE NO. AP-20-534 </td></tr> </table>			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY K. LE	DATE 9-26-96	FRACTION 1/64	DECIMAL .005	ANGLES 1°	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 NO. AP-20-534					
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