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ALL DIMENSIONS ARE REFERENCE ONLY

PART NO.		<b>RF35M-35M-00000</b>		
REV	DESCRIPTION	DWN	DATE	APPROVED
-	ENGINEERING RELEASE	CZS	5/26/02	JDMc
A	MODIFIED MATERIAL NOTE	JDMc	12/9/05	JDMc

**SPECIFICATIONS:**

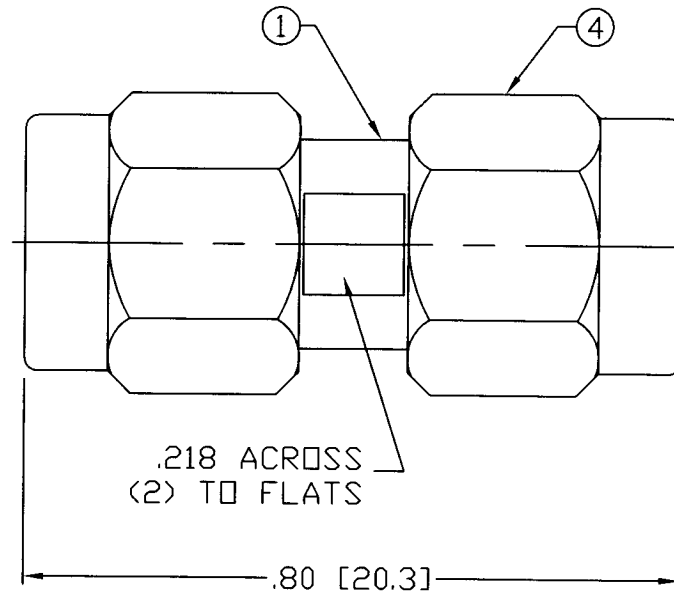
IMPEDANCE RANGE: 50 Ohms  
FREQUENCY RANGE: DC to 34 GHz  
VSWR: 1.04 + .006 f (f=GHz) Max. DC-34 GHz  
CONTACT RESISTANCE:  
 Outer Contact= 2.0 milliohms  
 Center Contact= 3.0 milliohms  
CONNECTOR DURABILITY: 500 Cycles minimum  
TEMPERATURE RANGE: -55° C TO 105° C

MATERIALS:

Body and Body Components:  
 Non-Magnetic stainless steel, per ASTM  
 A582, class 303 condition A.  
 Contacts: Beryllium copper,  
 per QQ-C-530, heat treated per  
 MIL-H-7199  
 Insulators: REXOLITE

FINISH:

Center Contacts:  
 .000050 min. gold per MIL-G-45204B  
 Type II, Grade C, Class 1  
 over .000050 min. Nickel per  
 QQ-N-290A  
 Other Metal Parts:  
 Passivated, (as specified)  
 to meet the finish and  
 corrosion requirements of MIL-C-39012.



1	BODY	1	SST. 303	PASSIVATE
2	CONTACT	1	Be.Cu.	GOLD, 50μ"
3	CONTACT	1	Be.Cu.	GOLD, 50μ"
4	COUPLING NUT	2	SST. 303	PASSIVATE
5	BEAD	1	REXOLITE	----
6	RETAINING RING	2	Be.Cu.	----
7	GASKET	2	SILICONE	----
8	INSERT	1	SST. 303	PASSIVATE
9				
10				
11				
12				
13				
14				
#	DESCRIPTION	QTY	MATERIAL	FINISH

000000	
DRAWN JDMc	12/9/05
CHECKED <i>[Signature]</i>	12/9/05
ORJ DRAWN C. ZUNIGA	9/24/02
APPROVALS	DATE

UNLESS OTHERWISE SPECIFIED:  
 1. REMOVE ALL BURRS  
 2. BREAK ALL CORNERS & EDGES .005 R. MAX.  
 3. CHAMFER 1ST & LAST THREADS 45°  
 4. SURFACE ROUGHNESS 63 FINISH MIL-STD-10  
 5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN .002 T.I.R.  
 6. ALL DIMENSIONS ARE AFTER PLATING.

DIMENSIONS ARE IN INCHES AND [MILLIMETERS]  
 UNLESS OTHERWISE NOTED TOLERANCES ARE:  
 DECIMALS      DIAMETER  
 .xxx±.003 [.08]      .xxx±.001 [.03]  
 .xx±.005 [.13]      .xx±.003 [.08]

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**RFconnectors**  
 DIVISION OF RF INDUSTRIES, LTD.

## 3.5mm PLUG TO PLUG

ADAPTER

SIZE A	CABLE GROUP N/A	DWG NO. RF35M-35M-00000	REV A
SCALE: NTS		CAD FILE OUTLINE	SHEET 1 OF 1