

# PRODUCT SPECIFICATION DRAWING

**P2RF35M-35F-0000**

**FINISH:**  
 BODIES &  
 HARDWARE: PASSIVATED PER MIL-G-45204B

SHELL: PASSIVATED PER MIL-G-45204B

PIN: GOLD OVER NICKEL

CONTACTS: .000050 min. GOLD PER MIL-G-45204, TYPE II,  
 GRADE C, CLASS 1 OVER .000050 min.  
 NICKEL PER QQ-N-290A

**MATERIAL:**  
 BODIES &  
 HARDWARE: NON-MAGNETIC STAINLESS STEEL PER ASTM  
 A582, CLASS 303 CONDITION A.

PIN: BERYLLIUM COPPER PER QQ-C-530

CONTACTS: BERYLLIUM COPPER PER QQ-C-530, HEAT TREATED PER  
 MIL-H-7199

SHELL: STAINLESS STEEL PER AMS-5640, TYPE 303,  
 COND.A

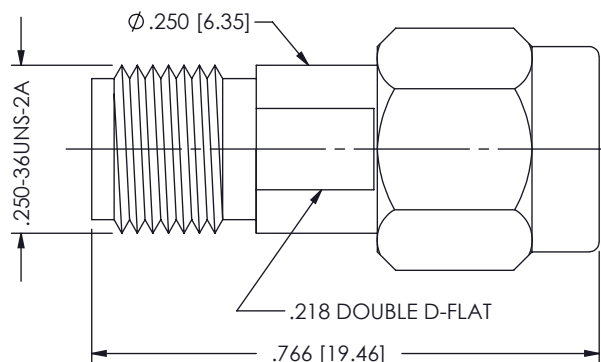
RETAINING  
 RING: BERYLLIUM COPPER PER ASTM B196,  
 ALLOY UNS C17300

GASKET: SILICONE RUBBER, ZZ-R-765 DUROMETER 70

INSULATOR: REXOLITE

**PERFORMANCE:**  
 IMPEDANCE: 50 OHMS  
 FREQ. RANGE: DC TO 26.5 GHz  
 VSWR: 1.04 + .006 f (f=GHz) MAX. DC-34 GHz  
 INSERTION LOSS: -.06√F (GHz)  
 OPERATING  
 TEMP RANGE: -55°C TO +105°C  
 RESISTANCE: OUTER CONTACT = 2.0 MILLIOHMS  
 CENTER CONTACT = 3.0 MILLIOHMS

CONNECTOR  
 DURABILITY: 500 CYCLES MIN.



<b>REVISION HISTORY</b>				<div style="display: flex; justify-content: center; align-items: center;"> <div style="text-align: center; margin-right: 10px;"> </div> <div style="text-align: center;"> <p><b>PROPRIETARY</b></p> <p style="font-size: small;">THE INFORMATION HEREIN IS CONFIDENTIAL AND PROPRIETARY. NO DISCLOSURE, REPRODUCTION, OR FURTHER DISSEMINATION MAY BE MADE WITHOUT THE EXPRESSED WRITTEN CONSENT OF RF INDUSTRIES.</p> </div> </div>	DIMENSIONS ARE IN INCHES TOLERANCES:  FRACTIONAL: ±1/64 ANGULAR: X° ±1'0" X*X ±15"  DECIMAL: .X ±.030 .XX ±.015 .XXX ±.005  INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994		UNLESS OTHERWISE SPECIFIED 1) ALL DIMENSIONS ARE AFTER PLATING & HEAT TREATING. 2) BREAK CORNERS & EDGES .005 RADIUS MAX. 3) CHAMFER FIRST & LAST THREADS. 4) SURFACE ROUGHNESS 63 V.I.A.W. MIL-STD-10. 5) DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R. 6) REMOVE ALL BURRS		<div style="display: flex; justify-content: center; align-items: center;"> <p><b>RF PRECISION PRODUCTS</b>                  A DIVISION OF RF INDUSTRIES</p> <p style="font-size: x-small;">7610 MIRAMAR ROAD, SAN DIEGO, CA 92126-4202                  (858) 549-6340 - FAX (858) 549-6345 - RFP2@RFINDUSTRIES.COM</p> </div>	
REV	DESCRIPTION	DATE	APPROVED		DRAWN BY: C. ZUNIGA 06/21/11 ENG APPROVAL: D. McREYNOLDS MFG APPROVAL: -- QA APPROVAL: --		TITLE: <h2 style="margin: 0;">3.5mm PLUG TO JACK ADAPTER</h2>			
-	ENGINEERING RELEASE	06/21/11	JDMc			SIZE <b>A</b> CODE <b>000000</b> DWG. NO. <h2 style="margin: 0;">P2RF35M-35F-00000</h2>				
				SHEET 1 OF 1						