

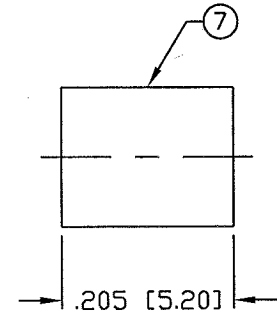
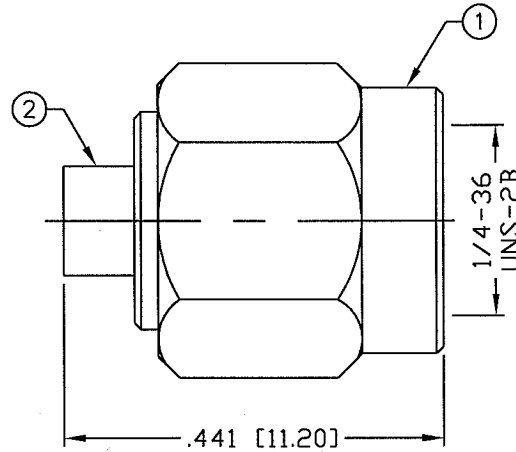
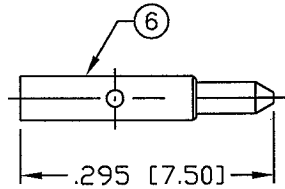
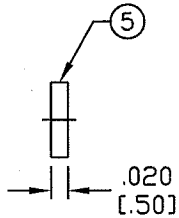
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ALL DIMENSIONS ARE REFERENCE ONLY

PART NO.

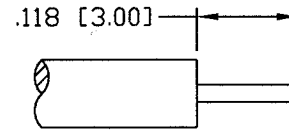
**RSA-3500-1-085**

REV	DESCRIPTION	DWN	DATE	APPROVED
-	ENGINEERING RELEASE	CZS	5/30/00	JDMc



**SPECIFICATIONS:**

IMPEDANCE: 50 Ohms  
 FREQUENCY RANGE: 0-18 GHz  
 INSERTION LOSS(dB):  $0.03 \times \sqrt{f(\text{GHz})}$   
 VSWR: 1.3 MAX.  
 WORKING VOLTAGE: 500 V rms Max. @ Sea Level  
 INSULATION RESISTANCE: 5000 MegOhms  
 TEMPERATURE RANGE: -65°C TO 165°C  
 FOR .085 SEMI RIGID, RG-405/U & BELDEN 1671A CABLE



**RECOMMENDED STRIPPING DIMENSIONS**

1	SHELL	1	BRASS	GOLD, 3 μ"	008974	
2	BODY	1	BRASS	GOLD, 3 μ"		
3	RETAINING RING	1	Be.Cu.	---		
4	GASKET	1	SILICONE	RED		
5	INSULATOR	1	PTFE	---		
6	PIN	1	BRASS	GOLD, 50 μ"		
7	INSULATOR	1	PTFE	---		
8						
9						
10						
11						
12						
13						
14						
#	DESCRIPTION	QTY	MATERIAL	FINISH	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]

RF

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DIVISION OF RF INDUSTRIES, LTD.

## SMA MALE, SOLDER PLUG

SIZE <b>A</b>	CABLE GROUP <b>SR1</b>	DWG NO. <b>RSA-3500-1-085</b>	REV —
SCALE:    NTS		CAD FILE    OUTLINE	SHEET 1 OF 1

DRAWN  
C. ZUNIGA    7/5/01  
 CHECKED *[Signature]*    7/9/01  
 ORJ DRAWN  
C. ZUNIGA    7/5/01