

ROHS COMPLIANT

# PRODUCT DATA DRAWING

**MATERIAL:**

BODIES, CONTACT  
EMI RING &  
ANTI-ROCK RING:

INSULATORS:

DIELECTRIC STOP:

**FINISH:**

BODIES, CONTACT  
EMI RING &  
ALIGNMENT RING:

**PERFORMANCE:**

IMPEDANCE:

FREQ. RANGE:

VSWR:

INSERTION LOSS:

DWV:

OPERATING TEMP.:

INSUL. RES.:

BERYLLIUM COPPER PER ASTM B196,  
ALLOY No. UNS C17300, TD04

PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B

TORLON 4203 (ELECTRICAL GRADE)

GOLD PER ASTM B 488, TYPE II,  
CODE C, CLASS 1.27; OVER NICKEL  
PER AMS-QQ-N-290, CLASS 1, .00005" MIN.

50 OHMS  
DC TO 26.5 GHz  
1.25:1 DC TO 26.5 GHz  
.12 X SQRT(F(F IN GHz))  
500 VRMS  
-55°C TO +125°C  
5000 MEGOHMS.

|                                                                                                                                                                                                               |  |                                                |  |                                                                                                                                                                                                                                                                                                 |  |                                                                                                 |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------|--|
| MATERIAL: SEE NOTES                                                                                                                                                                                           |  | DIMENSIONS ARE IN INCHES TOLERANCES:           |  | UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                                                                                                      |  | <b>SV Microwave, Inc.</b><br>2400 Centrepark West Drive, Suite 100<br>West Palm Beach, FL 33409 |  |
| FINISH: SEE NOTES                                                                                                                                                                                             |  | FRACTIONAL: ±1/64 ANGULAR: X° ±1°<br>X°X' ±15' |  | 1) ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)<br>2) ALL DIMENSIONS ARE AFTER PLATING.<br>3) BREAK CORNERS & EDGES .005 R. MAX.<br>4) CHAM. 1ST & LAST THREADS.<br>5) SURFACE ROUGHNESS 63-MIL-STD-10.<br>6) DIA.'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN .005 T.I.R.<br>7) REMOVE ALL BURRS |  |                                                                                                 |  |
| SURFACE AREA: N/A                                                                                                                                                                                             |  | DECIMAL: .X ±.030<br>.XX ±.010<br>.XXX ±.005   |  | INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994                                                                                                                                                                                                                                      |  | TITLE: <b>R/A SMP JACK<br/>FOR .047 S.R. CABLE</b>                                              |  |
| PROPRIETARY<br>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SV MICROWAVE, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SV MICROWAVE, INC IS PROHIBITED. |  | THIRD ANGLE PROJECTION                         |  | DRAWN: HLP 11/29/07                                                                                                                                                                                                                                                                             |  | SIZE: B CAGE CODE: 95077 DWG. NO. 1222-4004                                                     |  |
|                                                                                                                                                                                                               |  |                                                |  | CHECKED: STW 11/29/07                                                                                                                                                                                                                                                                           |  | SCALE: 15:1 SHEET 1 OF 1                                                                        |  |
|                                                                                                                                                                                                               |  |                                                |  | APPROVED: STW 11/29/07                                                                                                                                                                                                                                                                          |  |                                                                                                 |  |