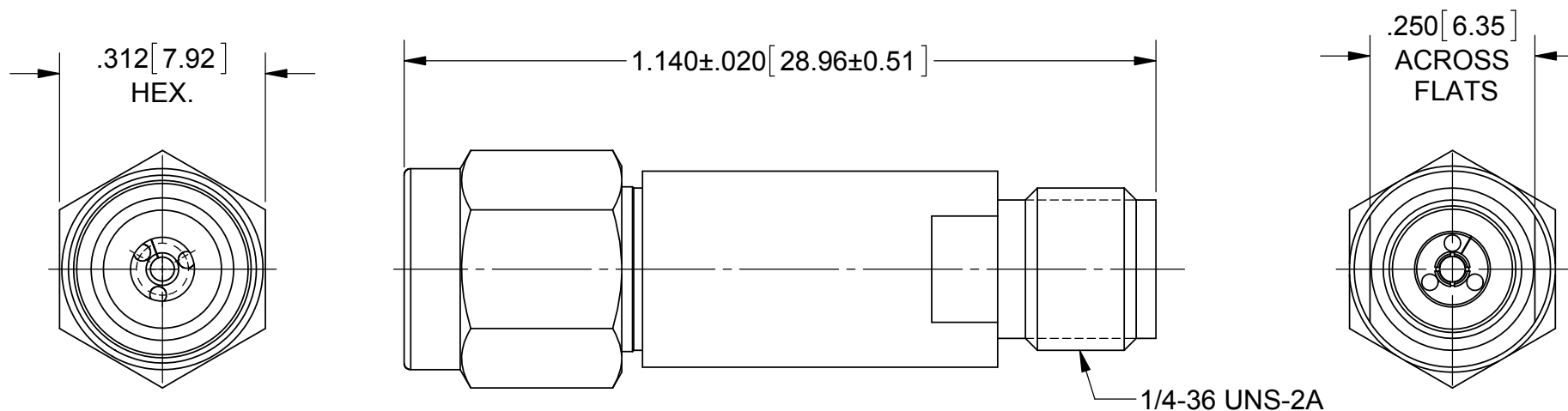


# PRODUCT DATA DRAWING

| REVISION HISTORY |             |       |          |
|------------------|-------------|-------|----------|
| REV              | DESCRIPTION | DATE  | APPROVED |
| -                | DCN 40314   | 01/14 | STW      |
|                  |             |       |          |



- MATERIAL:**  
**BODIES, INSERTS, & COUPLING NUT:** STAINLESS STEEL PER AMS-5640, ALLOY UNS S30300, TYPE 1
- LOCK RING & CONTACTS:** BERYLLIUM COPPER PER ASTM B196, ALLOY No. UNS C17300, TD04
- SLEEVE:** BRASS PER ASTM B16, ALLOY UNS No. C36000
- BEADS:** POLYETHERMIDE PER ASTM D5205 "ULTEM 1000"
- BELLOWS SPRINGS:** ELECTRO-DEPOSITED GOLD OVER NICKEL
- GASKET:** SILICONE RUBBER PER A-A-59588, CLASS 2B, GRADE 50/60
- RESISTOR ELEMENT:** ALUMINUM NITRIDE SUBSTRATE WITH TANTALUM NITRIDE RESISTOR: GOLD PLATED TERMINATIONS
- FINISH:**
- BODIES, INSERTS, & COUPLING NUT:** PASSIVATED PER AMS-2700
- CONTACTS:** GOLD PER ASTM B488, TYPE I, CODE C, CLASS 1.27, OVER NICKEL PER AMS-QQ-N-290, CLASS 1, .00005" MIN.
- SLEEVE:** GOLD PER ASTM B 488, TYPE II, CODE C, CLASS 1.27, OVER NICKEL PER AMS-QQ-N-290, CLASS 1, .00005" MIN.
- PERFORMANCE:**
- IMPEDANCE:** 50 OHMS
- FREQ. RANGE:** DC TO 32.0 GHz
- VSWR:** 1.25:1 MAX. DC TO 18 GHz  
 1.30:1 MAX 18 TO 26.5 GHz  
 1.35:1 MAX 26.5 TO 32 GHz
- OPERATING TEMP.:** -55 °C TO +125 °C
- AVG. POWER:** 2.0 WATT (POWER INPUT DERATED LINEARLY FROM 25 °C TO 0.5 WATTS AT 125 °C)
- PEAK POWER:** 500 WATTS (PEAK POWER FOR A DUTY CYCLE OF 5X10<sup>-4</sup> MAXIMUM PULSE DURATION OF 5 MICROSECONDS)
- ENGAGEMENT/ DISENGAGEMENT:** 2 IN-LBS

|  |   |   |   |
|--|---|---|---|
| <b>MATERIAL:</b> SEE NOTES   | <b>DIMENSIONS ARE IN INCHES TOLERANCES:</b><br>FRACTIONAL: ±1/64 ANGULAR: X° ±1'0"<br>X'X' ±15' | <b>UNLESS OTHERWISE SPECIFIED</b><br>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 | <b>SV Microwave, Inc.</b><br>2400 Centrepark West Drive, Suite 100<br>West Palm Beach, FL 33409 |
| <b>FINISH:</b> SEE NOTES   | <b>DECIMAL:</b> X ±.030<br>.XX ±.010<br>.XXX ±.005  | <b>INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994</b>   | <b>TITLE:</b> SVK JACK TO PLUG DC-32.0 GHz ATTENUATOR   |
| <b>SURFACE AREA:</b> N/A   | <b>THIRD ANGLE PROJECTION</b>   | <b>DRAWN:</b> JMC 12/09/13  | <b>SIZE:</b> B <b>CAGE CODE:</b> 95077 <b>DWG. NO:</b> M3933/30-XX                              |
| <b>PROPRIETARY</b><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. |   | <b>CHECKED:</b> STW 12/10/13<br><b>APPROVED:</b> STW 12/10/13   | <b>SCALE:</b> 4:1 <b>SHEET 1 OF 2</b>   |

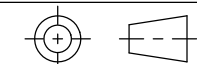
ROHS COMPLIANT

| REVISION HISTORY |             |       |          |
|------------------|-------------|-------|----------|
| REV              | DESCRIPTION | DATE  | APPROVED |
| -                | DCN 40314   | 01/14 | STW      |
|                  |             |       |          |

| M3933/30-XX | dB VALUE | ATTENUATION ACCURACY (+/-) |               |             |
|-------------|----------|----------------------------|---------------|-------------|
|             |          | DC-26.5 GHz                | 26.5-32.0 GHz | DC-32.0 GHz |
| 01          | 0        | -                          | -             | 0.5/0       |
| 02          | 0.5      | -                          | -             | 0.5         |
| 03          | 1        | -                          | -             | 0.5         |
| 04          | 1.5      | -                          | -             | 0.5         |
| 05          | 2        | -                          | -             | 0.5         |
| 06          | 2.5      | -                          | -             | 0.5         |
| 07          | 3        | -                          | -             | 0.5         |
| 08          | 3.5      | -                          | -             | 0.5         |
| 09          | 4        | -                          | -             | 0.5         |
| 10          | 4.5      | -                          | -             | 0.5         |
| 11          | 5        | -                          | -             | 0.5         |
| 12          | 5.5      | -                          | -             | 0.5         |
| 13          | 6        | -                          | -             | 0.5         |
| 14          | 6.5      | -                          | -             | 0.5         |
| 15          | 7        | -                          | -             | 0.5         |
| 16          | 7.5      | -                          | -             | 0.5         |
| 17          | 8        | -                          | -             | 0.5         |
| 18          | 8.5      | -                          | -             | 0.5         |
| 19          | 9        | -                          | -             | 0.5         |
| 20          | 9.5      | -                          | -             | 0.5         |
| 21          | 10       | -                          | -             | 0.5         |
| 22          | 10.5     | -                          | -             | 0.5         |
| 23          | 11       | -                          | -             | 0.5         |
| 24          | 11.5     | -                          | -             | 0.5         |
| 25          | 12       | -                          | -             | 0.5         |
| 26          | 13       | 0.8                        | 1             | -           |
| 27          | 14       | 0.8                        | 1             | -           |
| 28          | 15       | 0.8                        | 1             | -           |
| 29          | 16       | 0.8                        | 1             | -           |
| 30          | 17       | 0.8                        | 1             | -           |
| 31          | 18       | 0.8                        | 1             | -           |
| 32          | 19       | 0.8                        | 1             | -           |
| 33          | 20       | 0.8                        | 1             | -           |
| 34          | 25       | 1                          | 1.5           | -           |
| 35          | 30       | 1                          | 1.5           | -           |

MATERIAL: SEE NOTES  
 FINISH: SEE NOTES  
 SURFACE AREA: N/A  
**PROPRIETARY**  
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DIMENSIONS ARE IN INCHES TOLERANCES:  
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 DECIMAL: .X ±.030  
 .XX ±.010  
 .XXX ±.005  
 INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994  
**THIRD ANGLE PROJECTION**



**UNLESS OTHERWISE SPECIFIED**  
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 7) REMOVE ALL BURRS  
 DRAWN: JMC 12/23/13  
 CHECKED:  
 APPROVED:

**SV Microwave, Inc.**  
 2400 Centrepark West Drive, Suite 100  
 West Palm Beach, FL 33409  
 TITLE: SVK JACK TO SVK PLUG DC-32 GHz ATTENUATOR  
 SIZE: B CAGE CODE: 95077 DWG. NO. M3933/30-XX  
 SCALE: 4:1 SHEET 2 OF 2