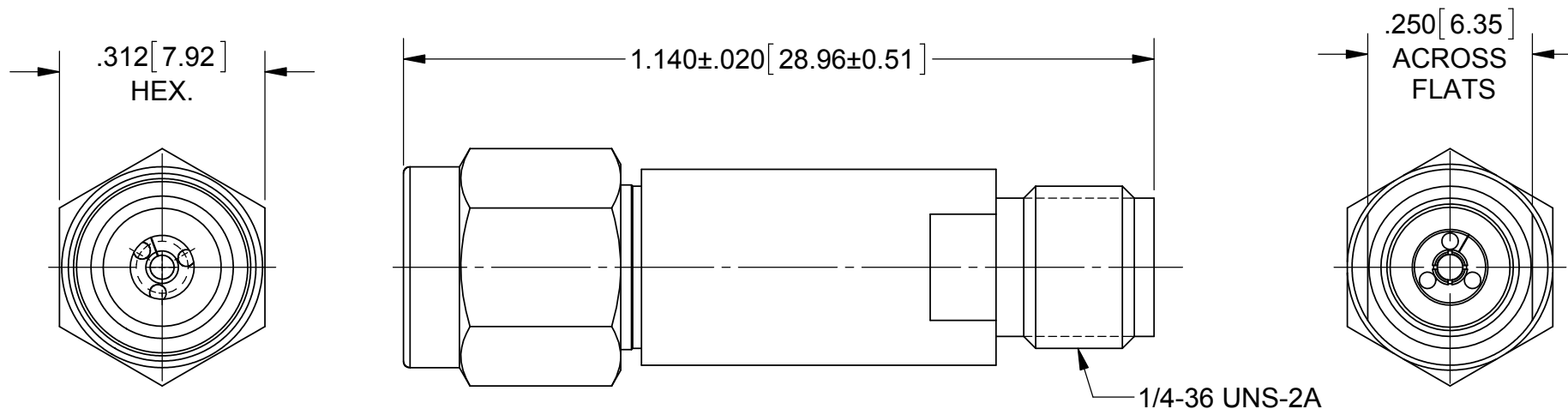


PRODUCT DATA DRAWING

| 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 5X10⁻⁴ MAXIMUM PULSE DURATION OF 5 MICROSECONDS)
- ENGAGEMENT/ DISENGAGEMENT:** 2 IN-LBS

| | | | |
|--|---|---|---|
| MATERIAL: SEE NOTES | DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/64 ANGULAR: X° ±1'0" X'X' ±15' | UNLESS OTHERWISE SPECIFIED 1) ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) 2) ALL DIMENSIONS ARE AFTER PLATING. 3) BREAK CORNERS & EDGES .005 R. MAX. 4) CHAM. 1ST & LAST THREADS. 5) SURFACE ROUGHNESS 63-MIL-STD-10. 6) DIA. 'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN .005 T.I.R. 7) REMOVE ALL BURRS | SV Microwave, Inc. 2400 Centrepark West Drive, Suite 100 West Palm Beach, FL 33409 |
| FINISH: SEE NOTES | DECIMAL: X ±.030 .XX ±.010 .XXX ±.005 | INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994 | TITLE: SVK JACK TO PLUG DC-32.0 GHz ATTENUATOR |
| SURFACE AREA: N/A | THIRD ANGLE PROJECTION | DRAWN: JMC 12/09/13 | SIZE: B CAGE CODE: 95077 DWG. NO: M3933/30-XX |
| PROPRIETARY 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. | | CHECKED: STW 12/10/13 APPROVED: STW 12/10/13 | SCALE: 4:1 SHEET 1 OF 2 |

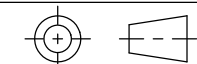
ROHS COMPLIANT

| 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
 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.

DIMENSIONS ARE IN INCHES TOLERANCES:
 FRACTIONAL: ±1/64 ANGULAR: X° ±1'0" X"X' ±15'
 DECIMAL: .X ±.030
 .XX ±.010
 .XXX ±.005
 INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
THIRD ANGLE PROJECTION



UNLESS OTHERWISE SPECIFIED
 1) ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
 2) ALL DIMENSIONS ARE AFTER PLATING.
 3) BREAK CORNERS & EDGES .005 R. MAX.
 4) CHAM. 1ST & LAST THREADS.
 5) SURFACE ROUGHNESS 63-MIL-STD-10.
 6) DIA. 'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN .005 T.I.R.
 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