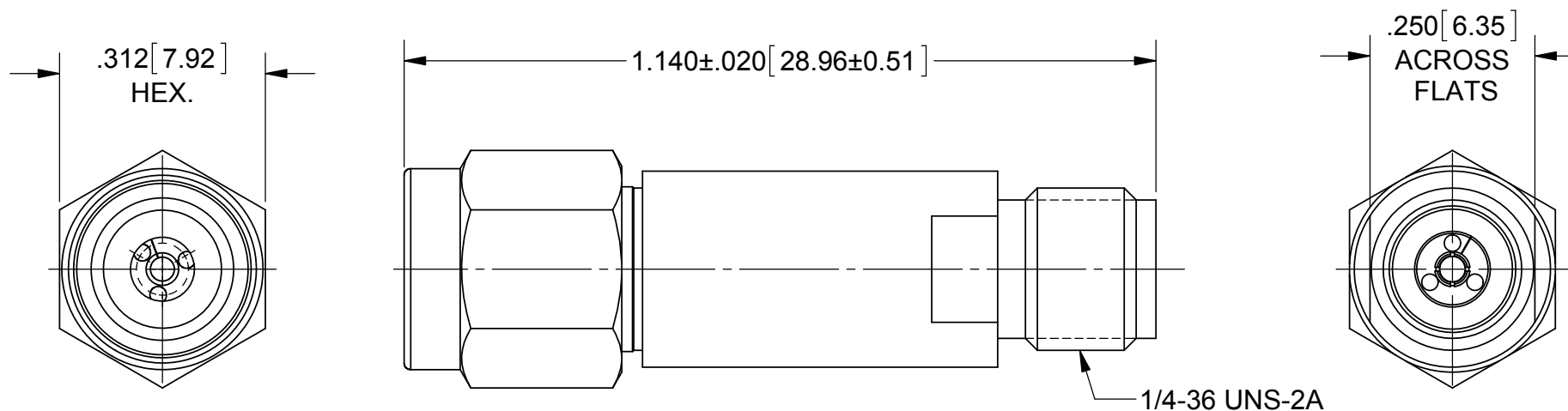


# PRODUCT DATA DRAWING

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> FRACTIONAL: ±1/64 ANGULAR: X° ±1'0" X"X' ±15'	<b>UNLESS OTHERWISE SPECIFIED</b> 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	<b>SV Microwave, Inc.</b> 2400 Centrepark West Drive, Suite 100 West Palm Beach, FL 33409
<b>FINISH:</b> SEE NOTES	<b>DECIMAL:</b> X ±.030 .XX ±.010 .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> 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 <b>APPROVED:</b> STW 12/10/13	<b>SCALE:</b> 4:1 <b>SHEET 1 OF 2</b>

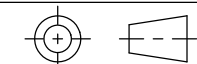
ROHS COMPLIANT

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:  
 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)  
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 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