ROHS COMPLIANT

PRODUCT DATA DRAWING

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
F	DCN 34664	10/06	JMC
G	DCN 38051	03/11	PJS
H	DCN 38193	04/11	FED

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: 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:

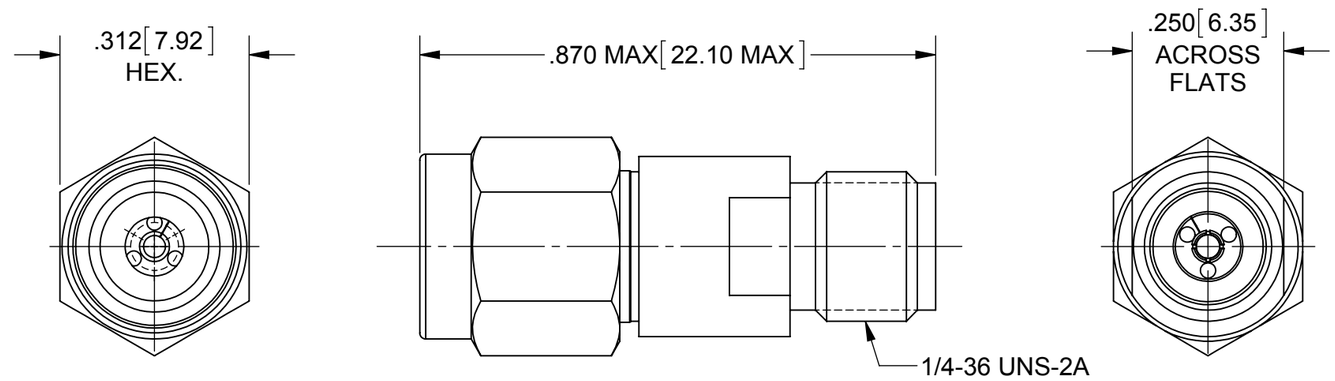
BODIES, INSERTS, & COUPLING NUT: PASSIVATED PER AMS-2700, TYPE 2

CONTACTS: GOLD PER ASTM B488, TYPE I, CODE C, CLASS 0.51; 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 40.0 GHz
VSWR: 1.30:1 MAX. DC TO 26.5 GHz
1.40:1 MAX. 26.5 TO 40.0 GHz
OPERATING TEMP.: -55°C TO +125°C
AVG. POWER: 0.5 WATT (POWER INPUT DERATED LINEARLY FROM 25°C TO 0.25 WATTS AT 135°C)
PEAK POWER: 100 WATTS (PEAK POWER FOR A DUTY CYCLE OF 5X10-4 MAXIMUM PULSE DURATION OF 5 MICROSECONDS)
ENGAGEMENT/ DISENGAGEMENT: 2 IN-LBS



	ATTENUATION ACCURACY	
dB VALUE	DC-26.5 GHz	26.5-40.0 GHz
0-6 dB	±0.5 dB	±0.8 dB
6.25-10 dB	±0.6 dB	±0.8 dB
10.25-20 dB	±0.6 dB	±1.0 dB

dB VALUE TO "XX" NUMBER CHART

dB VALUE	XX	dB VALUE	XX	dB VALUE	XX	dB VALUE	XX
.25	40	5.25	50	10.25	60	15.25	70
.5	00	5.5	25	10.5	30	15.5	35
.75	41	5.75	51	10.75	61	15.75	71
1	01	6	06	11	11	16	16
1.25	42	6.25	52	11.25	62	16.25	72
1.5	21	6.5	26	11.5	31	16.5	36
1.75	43	6.75	53	11.75	63	16.75	73
2	02	7	07	12	12	17	17
2.25	44	7.25	54	12.25	64	17.25	74
2.5	22	7.5	27	12.5	32	17.5	37
2.75	45	7.75	55	12.75	65	17.75	75
3	03	8	08	13	13	18	18
3.25	46	8.25	56	13.25	66	18.25	76
3.5	23	8.5	28	13.5	33	18.5	38
3.75	47	8.75	57	13.75	67	18.75	77
4	04	9	09	14	14	19	19
4.25	48	9.25	58	14.25	68	19.25	78
4.5	24	9.5	29	14.5	34	19.5	39
4.75	49	9.75	59	14.75	69	19.75	79
5	05	10	10	15	15	20	20

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]
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: MGT 05/27/04
CHECKED: DWC 11/14/01
APPROVED: DWC 11/14/01

SV Microwave, Inc.
2400 Centrepark West Drive, Suite 100
West Palm Beach, FL 33409

TITLE: SVK JACK TO PLUG DC-40.0 GHz ATTENUATOR

SIZE B | CAGE CODE 95077 | DWG. NO. SF0915-6200-XX
SCALE: 4:1 | SHEET 1 OF 1