

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					

.312 [7.92] HEX.		.870 MAX [22.10 MAX]		.250 [6.35] ACROSS FLATS	
		1/4-36 UNS-2A			

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

	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

MATERIAL:	SEE NOTES	DIMENSIONS ARE IN INCHES TOLERANCES:		UNLESS OTHERWISE SPECIFIED		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	
FINISH:	SEE NOTES	FRACTIONAL: ±1/64 ANGULAR: X° ±1°0' X°X' ±15'		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			
SURFACE AREA:	N/A	DECIMAL: .X ±.030 .XX ±.010 .XXX ±.005		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994			
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				CHECKED: DWC 11/14/01			
				APPROVED: DWC 11/14/01			

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