

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

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		XX	
5.25	50	10.25	60
5.5	25	10.5	30
5.75	51	10.75	61
6	06	11	11
6.25	52	11.25	62
6.5	26	11.5	31
6.75	53	11.75	63
7	07	12	12
7.25	54	12.25	64
7.5	27	12.5	32
7.75	55	12.75	65
8	08	13	13
8.25	56	13.25	66
8.5	28	13.5	33
8.75	57	13.75	67
9	09	14	14
9.25	58	14.25	68
9.5	29	14.5	34
9.75	59	14.75	69
10	10	15	15

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	
FINISH: SEE NOTES		FRACTIONAL: ±1/64 ANGULAR: X° ±1°0' X'X' ±15'					
SURFACE AREA: N/A		DECIMAL: .X ±.030 .XX ±.010 .XXX ±.005					
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THIRD ANGLE PROJECTION		DRAWN: MGT 05/27/04		CHECKED: DWC 11/14/01		TITLE: SVK JACK TO PLUG DC-40.0 GHz ATTENUATOR	
		APPROVED: DWC 11/14/01		SIZE B		CAGE CODE 95077	
				DWG. NO. SF0915-6200-XX		SHEET 1 OF 1	