

ROHS COMPLIANT		PRODUCT DATA DRAWING				REVISION HISTORY				
						REV	DESCRIPTION		DATE	APPROVED
						D	DCN 34173		05/06	JMC
MATERIAL:										
BODY, PRESS CAP & COUPLING NUT:		STAINLESS STEEL PER AMS-5640, ALLOY UNS S30300, TYPE 1								
LOCK RING & CONTACT:		BERYLLIUM COPPER PER ASTM B196, ALLOY No. UNS C17300, TD04								
INSULATOR:		PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B								
GASKET:		SILICONE RUBBER PER A-A-59588, CLASS 2B, GRADE 50/60								
RESISTOR ELEMENT:		ALUMINA SUBSTRATE WITH NICHROME RESISTOR								
FINISH:										
BODY:		GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 1.52; OVER NICKEL PER AMS-QQ-N-290, CLASS 1, .00005" MIN.								
PRESS CAP & COUPLING NUT:		GOLD PER ASTM B488, TYPE II, CODE C, CLASS 0.50; OVER NICKEL PER AMS-QQ-N-290, CLASS 1, .00005" MIN.								
CONTACT:		GOLD PER ASTM B488, TYPE II, CODE C, CLASS 1.52; OVER NICKEL PER AMS-QQ-N-290, CLASS 1, .00005" MIN.								
PERFORMANCE:										
IMPEDANCE:		50 OHMS								
FREQ. RANGE:		DC TO 18.0 GHz								
VSWR:		1.05:1 DC TO 8.0 GHz 1.10:1 8 TO 12.0 GHz 1.25:1 12.0 TO 18.0 GHz								
AVG. POWER:		1 WATT (POWER INPUT DERATED LINEARLY FROM 25°C TO .5 WATTS AT 125°C)								
PEAK POWER:		500 WATTS (PEAK POWER FOR A DUTY CYCLE OF 5X10-4 MAXIMUM PULSE DURATION OF 5 MICROSECONDS)								
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'		DECIMAL: .X ±.030 .XX ±.010 .XXX ±.005				
SURFACE AREA:		N/A		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994		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		TITLE:		
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.		THIRD ANGLE PROJECTION		DRAWN:		BRT 10/24/02		SMA PLUG TERMINATION		
				CHECKED:		STW 10/26/02		SIZE		
				APPROVED:		STW 10/26/02		B 95077		
						DWG. NO.		8018-6172		
						SCALE: 5:1		SHEET 1 OF 1		