ROHS COMPLIANT

PRODUCT DATA DRAWING

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
E	DCN 39397	09/12	STW

MATERIAL:

BODY,

PRESS CAP & COUPLING NUT:

STAINLESS STEEL PER AMS-5640,

ALLOY UNS S30300, TYPE 1

LOCK RING: PHOSPHOR BRONZE

CONTACT. **INSERT &**

END CAP BRASS PER ASTM B16, ALLOY UNS No. C36000

INSULATOR: PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B

SILICONE RUBBER PER A-A-59588, CLASS 2B, GRADE 60/70 GASKET:

RESISTOR ELEMENT: ALUMINA SUBSTRATE WITH

NICHROME RESISTOR

FINISH:

BODY.

PRESS CAP &

COUPLING NUT: PASSIVATED PER AMS-2700

CONTACT: .000050" MIN GOLD OVER .000100" MIN NICKEL

PERFORMANCE:

IMPEDANCE: 50 OHMS

FREQ. RANGE: DC TO 18.0 GHz VSWR: 1.05 + .010f(GHz), DC TO 18.0 GHz

-55°C TO +125°C **OPERATING TEMP.:**

1 WATT (POWER INPUT DERATED LINEARLY FROM 25°C TO .5 WATTS AT 125°C) AVG. POWER:

50 WATTS (PEAK POWER FOR A DUTY CYCLE OF 5 X10-4 MAXIMUM PULSE DURATION OF **PEAK POWER:**

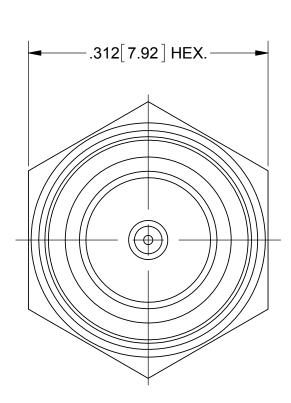
5 MICROSECONDS)

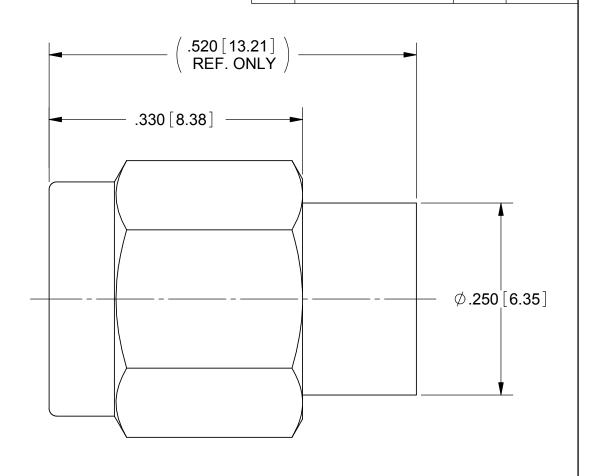
CONNECTOR

DURABILITY: 500 CYCLES

ENGAGEMENT/

DISENGAGEMENT: **2.0 IN-LBS**





MATERIAL:	SEE NOTES			
FINISH:	SEE NOTES			
SURFACE AREA: N/A				
	PROPRIETARY			
IS THE SOLE PI ANY REPRODU WITHOUT THE	FION CONTAINED IN THIS DRAWIN ROPERTY OF SV MICROWAVE, INC ICTION IN PART OR AS A WHOLE WRITTEN PERMISSION OF E. INC IS PROHIBITED.			

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 THIREAD. 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

REMOVE ALL BURRS	
DRAWN:	BRT 12/05/03
CHECKED:	STW 06/30/11
APPROVED:	BRT 12/05/03

SV Microwave, Inc.

2400 Centrepark West Drive, Suite 100 West Palm Beach, FL 33409

TITLE:

SMA PLUG TERMINATION

SIZE B	CAGE CODE 95077	DWG. NO.	SF8018	3-6005
SCALE: 8:1				SHEET 1 OF 1