ROHS COMPLIANT

PRODUCT DATA DRAWING

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

MATERIAL:

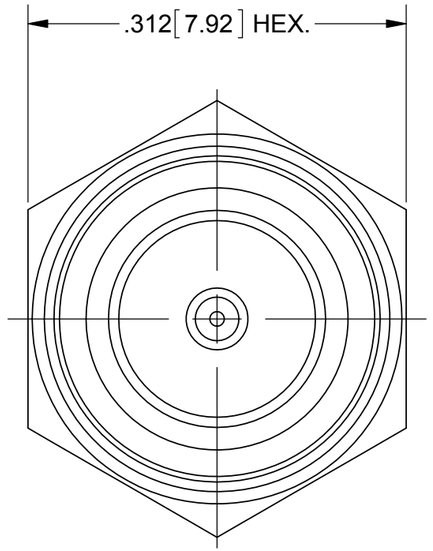
BODY, PRESS CAP & COUPLING NUT:	STAINLESS STEEL PER AMS-5640, ALLOY UNS S30300, TYPE 1
LOCK RING:	PHOSPHOR BRONZE
CONTACT, INSERT & END CAP	BRASS PER ASTM B16, ALLOY UNS No. C36000
INSULATOR:	PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B
GASKET:	SILICONE RUBBER PER A-A-59588, CLASS 2B, GRADE 60/70
RESISTOR ELEMENT:	ALUMINA SUBSTRATE WITH NICHROME RESISTOR

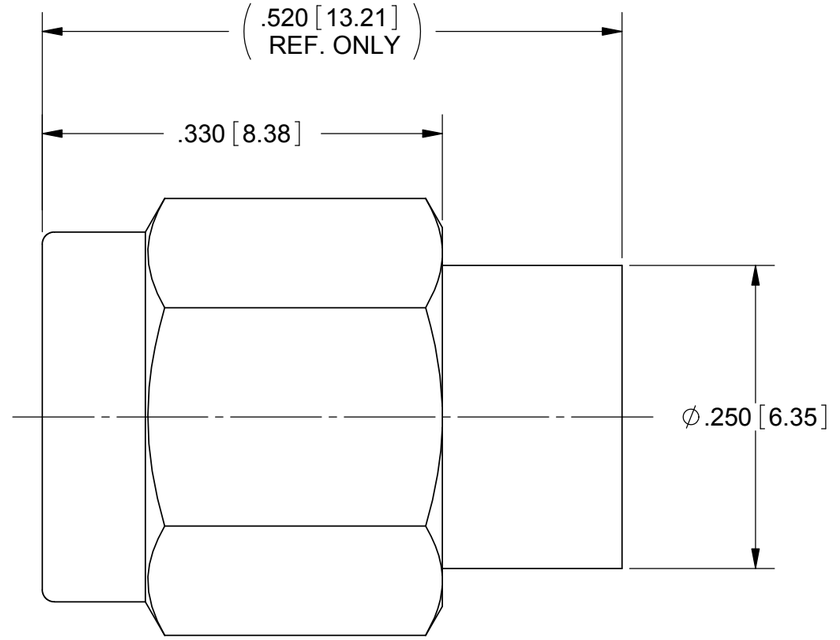
FINISH:

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
OPERATING TEMP.:	-55°C TO +125°C
AVG. POWER:	1 WATT (POWER INPUT DERATED LINEARLY FROM 25°C TO .5 WATTS AT 125°C)
PEAK POWER:	50 WATTS (PEAK POWER FOR A DUTY CYCLE OF 5 X10-4 MAXIMUM PULSE DURATION OF 5 MICROSECONDS)
CONNECTOR DURABILITY:	500 CYCLES
ENGAGEMENT/ DISENGAGEMENT:	2.0 IN-LBS





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 63₈MIL-STD-10.
6) DIA.'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN .005 T.I.R.
7) 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	CAGE CODE	DWG. NO.
B	95077	SF8018-6005

SCALE: 8:1 SHEET 1 OF 1