**ROHS COMPLIANT** 

# PRODUCT DATA DRAWING

	REVISION HISTORY		
REV	DESCRIPTION	DATE	APPROVED
D	DCN 38354	06/11	STW
E	DCN 38673	11/11	STW

### 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 60/70

**RESISTOR ELEMENT:** ALUMINA SUBSTRATE WITH

NICHROME RESISTOR

FINISH:

BODY: GOLD PER ASTM B488. TYPE I

CODE C, CLASS 1.27, ÓVER NÍCKEL PER AMS-QQ-N-290, CLASS 1, .00005" MIN.

PRESS CAP &

COUPLING NUT: GOLD PER ASTM B488, TYPE I, CODE C. CLASS .50, OVER NICKEL

PER AMS-QQ-N-290, CLASS 1, .00005" MIN.

CONTACT:

GOLD PER ASTM B488, 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 18.0 GHz

1.05+.010\*F (F IN GHz), DC TO 18.0 GHz VSWR:

**OPERATING TEMP.:** -55°C TO +125°C

AVG. POWER: 1 WATT (POWER INPUT DERATED LINEARLY

FROM 25°C TO .5 WATTS AT 125°C)

50 WATTS (PEAK POWER FOR A DÚTY CYCLE **PEAK POWER:** 

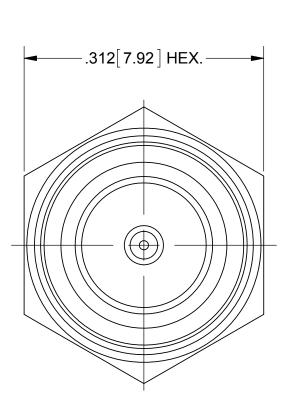
OF 5 X10-4 MAXIMUM PULSE DURATION OF 5 MICROSECONDS)

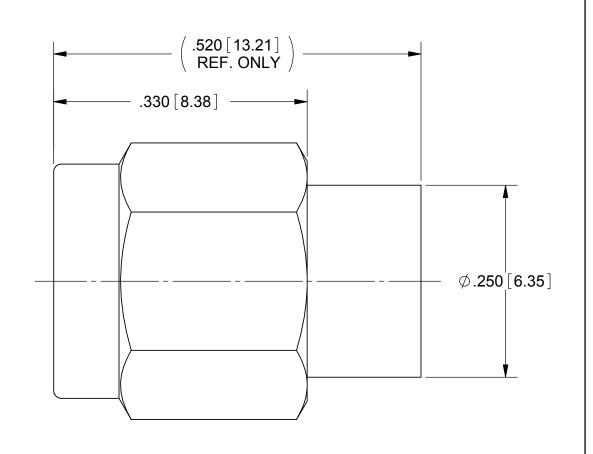
**CONNECTOR** 

**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:  $\pm 1/64$  ANGULAR: X°  $\pm 1^{\circ}0'$  X°X'  $\pm 15'$ DECIMAL: .X ±.030 .XX ±.010 .XXX ±.005

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994

THIRD ANGLE PROJECTION

DRAWN: DWC 04/24/91 CHECKED: STW 06/30/11 RDF 04/24/91 APPROVED:

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 63.MIL-STD-10.
6) DIA.'S ON COMMON CENTERS TO BE CONCENTRIC
WITHIN .005 T.I.R.
7) REMOVE ALL BURRS

### SV Microwave, Inc.

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

**SMA PLUG TERMINATION** 

SIZE CAGE CODE DWG. NO. 8018-6005 B 95077 SCALE: 8:1

TITLE:

SHEET 1 OF 1

## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

<u>Amphenol</u>: 8018-6005