

# PRODUCT DATA DRAWING

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
1	PRELIMINARY	09/13/07	JM
A	REL. NRN 34346	09/25/07	STW
B	DCN 35853	06/08	STW



- MATERIAL:**
- SHROUD & SLEEVE:** STAINLESS STEEL PER AMS-5640, ALLOY UNS S30300, TYPE 1
- BODY & CONTACT:** BERYLLIUM COPPER PER ASTM B196, ALLOY No. UNS C17300, TD04
- SPRING:** STAINLESS STEEL PER ASTM A313, TYPE 631 ALLOY UNS S17700
- INSULATOR:** PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B
- FINISH:**
- SHROUD SLEEVE & SPRING:** PASSIVATED PER AMS-2700, TYPE 2
- BODY & 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 65.0 GHz
- DWV:** 325 VRMS
- OPERATING TEMP.:** -55°C TO +125°C
- VSWR:** 1.10:1 DC TO 26.5 GHz, 1.30:1 TYPICAL TO 50 GHz
- INSERTION LOSS:** .12 X SQRT(F(F IN GHz))
- INSUL. RESISTANCE:** 5000 MEGOHMS MIN.
- CONTACT RESISTANCE**
- OUTER CONDUCTOR:** 2 MILLIOHMS MAX.
- INNER CONDUCTOR:** 6 MILLIOHMS MAX.
- ENGAGEMENT/ DISENGAGEMENT:** 2.5 LBS MAX. ENGAGEMENT  
1.5 LBS MIN. DISENGAGEMENT

## SOCKET CONTACT

<b>MATERIAL:</b> SEE NOTES	<b>DIMENSIONS ARE IN INCHES TOLERANCES:</b> FRACTIONAL: ±1/64 ANGULAR: X° ±1'0" X'X' ±15'	<b>UNLESS OTHERWISE SPECIFIED</b> 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	<b>SV Microwave, Inc.</b> 2400 Centrepark West Drive, Suite 100 West Palm Beach, FL 33409
<b>FINISH:</b> SEE NOTES	DECIMAL: .X ±.030 .XX ±.010 .XXX ±.005	INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994	<b>TITLE:</b> SMPM, MALE TO T-FLEX 405 SMOOTH BORE INTERFACE FIT M38999 SIZE 12 INSERT
<b>SURFACE AREA:</b> N/A	<b>THIRD ANGLE PROJECTION</b>	<b>DRAWN:</b> JMC 09/04/07	<b>SIZE:</b> B <b>CAGE CODE:</b> 95077 <b>DWG. NO.:</b> SF3211-6004
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