

PRODUCT DATA DRAWING

| REVISION HISTORY | | | |
|------------------|-------------|------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | DCN 53994 | 3/24 | SEE PDM |

MATERIAL

BODIES & INSERTS: STAINLESS STEEL PER AMS-5640, ALLOY UNS S30300, TYPE I

CONTACTS & SLEEVE: BERYLLIUM COPPER PER ASTM B196, ALLOY UNS C17300, TD04

BEADS: ULTEM 1000 PER ASTM D5205

RESISTOR ELEMENT: ALUMINUM NITRIDE SUBSTRATE WITH TANTALUM NITRIDE RESISTOR GOLD PLATED TERMINALS

BELLOW SPRINGS: ELECTRO-DEPOSITED GOLD OVER NICKEL

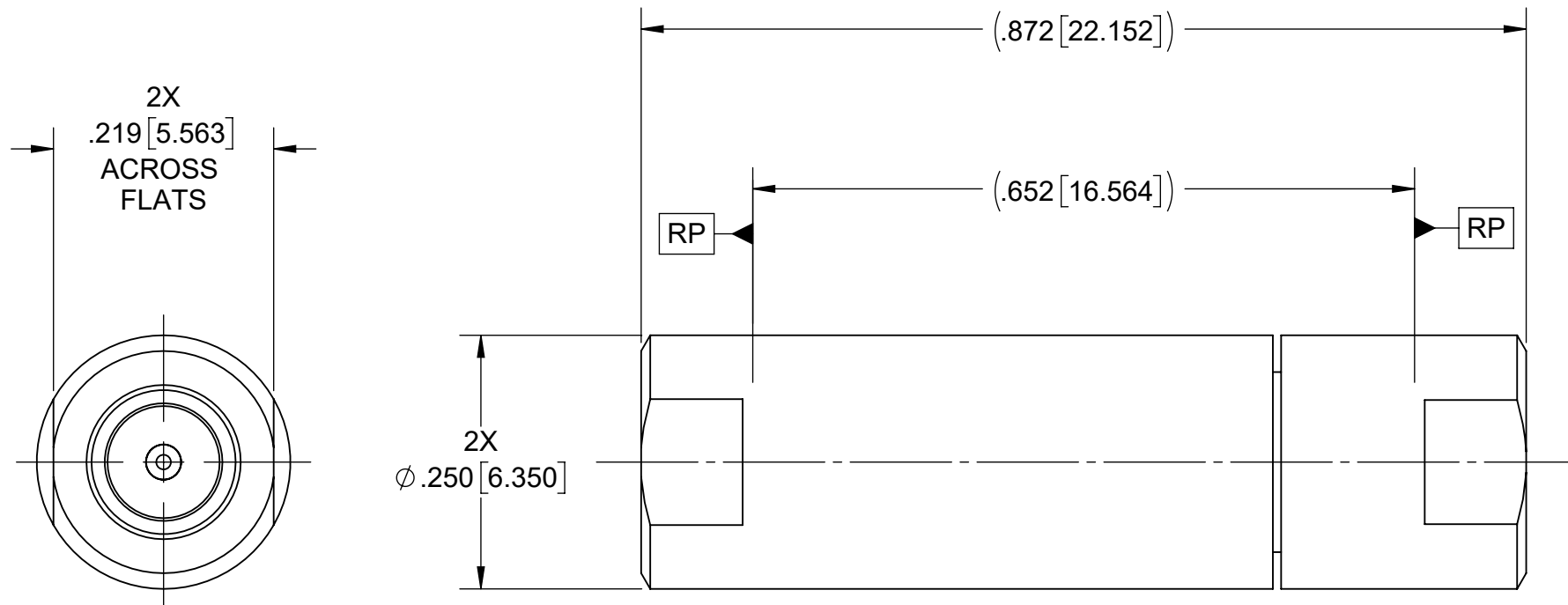
FINISH

BODIES & INSERTS: PASSIVATED PER AMS-2700

SLEEVE & CONTACTS: GOLD PER ASTM B488, TYPE II, CODE C, CLASS 1.27; OVER NICKEL PER AMS-QQ-N-290, CLASS 1, .000050" MIN.


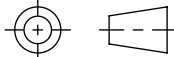
PERFORMANCE

IMPEDANCE: 50 OHMS
FREQ. RANGE: DC TO 40.0 GHz.
VSWR: 1.30:1 MAX, DC TO 26.5 GHz
 1.40:1 MAX, 26.5 GHz TO 40.0 GHz
AVG. POWER: 0.5 WATT (POWER INPUT DERATED LINEARLY FROM 25°C TO 0.25 WATTS AT 125°C)
PEAK POWER: 100 WATTS (PEAK POWER FOR A DUTY CYCLE OF 5X10⁻⁴ MAXIMUM PULSE DURATION OF 5 MICROSECONDS)
OUTGASSING: TML <1.0%
 CVCM <0.1%



| 6313-XXX DASH # | DC-26.5 GHz ATTEN. dB | 26.5-40.0 GHz ATTEN. dB | 6313-XXX DASH # | DC-26.5 GHz ATTEN. dB | 26.5-40.0 GHz ATTEN. dB |
|-----------------|-----------------------|-------------------------|-----------------|-----------------------|-------------------------|
| -000 | 0.0 dB +0.5/-0.0 | 0.0 dB +0.5/-0.0 | -070 | 7.0 dB ± .6 | 7.0 dB ± .8 |
| -005 | 0.5 dB ± .5 | 0.5 dB ± .8 | -075 | 7.5 dB ± .6 | 7.5 dB ± .8 |
| -010 | 1.0 dB ± .5 | 1.0 dB ± .8 | -080 | 8.0 dB ± .6 | 8.0 dB ± .8 |
| -015 | 1.5 dB ± .5 | 1.5 dB ± .8 | -085 | 8.5 dB ± .6 | 8.5 dB ± .8 |
| -020 | 2.0 dB ± .5 | 2.0 dB ± .8 | -090 | 9.0 dB ± .6 | 9.0 dB ± .8 |
| -025 | 2.5 dB ± .5 | 2.5 dB ± .8 | -095 | 9.5 dB ± .6 | 9.5 dB ± .8 |
| -030 | 3.0 dB ± .5 | 3.0 dB ± .8 | -100 | 10.0 dB ± .6 | 10.0 dB ± .8 |
| -035 | 3.5 dB ± .5 | 3.5 dB ± .8 | -110 | 11.0 dB ± .6 | 11.0 dB ± 1.0 |
| -040 | 4.0 dB ± .5 | 4.0 dB ± .8 | -120 | 12.0 dB ± .6 | 12.0 dB ± 1.0 |
| -045 | 4.5 dB ± .5 | 4.5 dB ± .8 | -130 | 13.0 dB ± .6 | 13.0 dB ± 1.0 |
| -050 | 5.0 dB ± .5 | 5.0 dB ± .8 | -140 | 14.0 dB ± .6 | 14.0 dB ± 1.0 |
| -055 | 5.5 dB ± .5 | 5.5 dB ± .8 | -150 | 15.0 dB ± .6 | 15.0 dB ± 1.0 |
| -060 | 6.0 dB ± .5 | 6.0 dB ± .8 | -200 | 20.0 dB ± .6 | 20.0 dB ± 1.0 |
| -065 | 6.5 dB ± .6 | 6.5 dB ± .8 | | | |

NOTES:
 1. 0912-6313-000 DOES NOT HAVE A RESISTIVE PATH TO GROUND.

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| MATERIAL: SEE NOTES | DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/64 ANGULAR: X° ±1'0" X'X' ±15' | 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 |  www.svmicrowave.com TITLE: SMP FULL DETENT MALE TO SMP FULL DETENT MALE ATTENUATOR DC TO 40 GHz |
| FINISH: SEE NOTES | DECIMAL: X ±.030 .XX ±.010 .XXX ±.005 | INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994 | |
| SURFACE AREA: N/A | THIRD ANGLE PROJECTION | DRAWN: DCL 2/14/24 | SIZE DWG. NO. 0912-6313-XXX |
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| | | APPROVED: SEE PDM | SHEET 1 OF 1 |