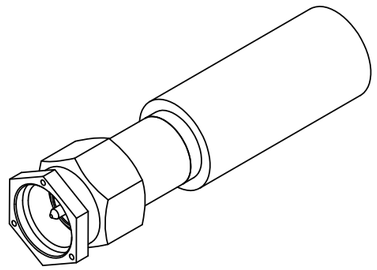
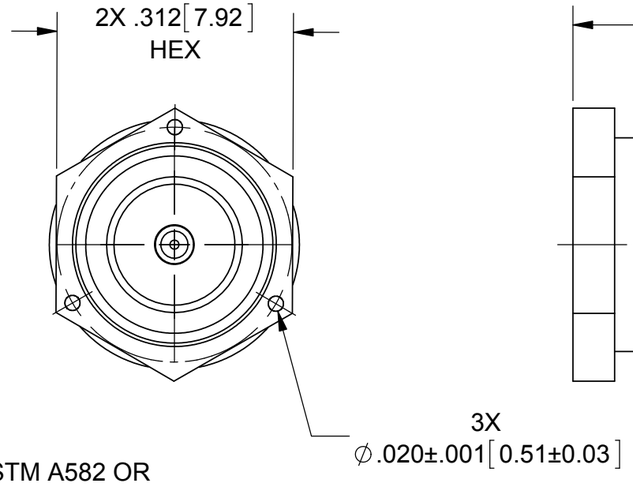
ROHS COMPLIANT

# PRODUCT DATA DRAWING

| REVISION HISTORY | | | |
|---|---|---|---|
| REV | DESCRIPTION | DATE | APPROVED |
| A | DCN 41763 | 10/15 | MAL |
| B | DCN 42024 | 1/16 | STW |
| | | | |






## MATERIAL:

| | |
|---|---|
| BODY & COUPLING NUT: | STAINLESS STEEL PER ASTM A582 OR AMS-5640, ALLOY UNS S30300 |
| LOCK RING: | BERYLLIUM COPPER PER ASTM B196, ALLOY UNS C17300 OR ASTM B194, ALLOY UNS C17200 |
| CONTACT: | BERYLLIUM COPPER PER ASTM B196, ALLOY UNS C17300 |
| CRIMP RING: | BRASS PER ASTM B16, ALLOY UNS C36000 |
| INSULATOR: | PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B |
| GASKET: | SILICONE RUBBER PER A-A-59588, CLASS 2B, GRADE 50/60 |
| TUBING: | SCL POLYOLEFIN PER MIL-I-23053/4, CLASS I |

## FINISH:

| | |
|---|---|
| BODY & COUPLING NUT: | PASSIVATED PER AMS-2700 |
| CONTACT: | GOLD PER ASTM B488, TYPE II, CODE C, CLASS 1.27, OVER NICKEL PER AMS-QQ-N-290, CLASS 1 .00005" MIN. |
| CRIMP RING: | NICKEL PER AMS-QQ-N-290, CLASS 2, .00005" MIN. |

## PERFORMANCE:

| | |
|---|---|
| IMPEDANCE: | 50 OHMS |
| FREQ. RANGE: | DC TO 12.4 GHz |
| VSWR: | 1.15 + .02(F):1 DC TO 12.4 GHz |
| INSERTION LOSS: | .06 X SQRT(F(F IN GHz)) |

MATERIAL: SEE NOTES

FINISH: SEE NOTES

SURFACE AREA: N/A

**PROPRIETARY**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SV MICROWAVE, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SV MICROWAVE, 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 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

| | | |
|---|---|---|
| DRAWN: | DAL | 10/12/15 |
| CHECKED: | MAL | 10/12/15 |
| APPROVED: | ND | 02/26/86 |

Amphenol SV MICROWAVE
2400 Centrepark West Drive, Suite 100
West Palm Beach, FL 33409

TITLE:

SMA MALE FOR RG-142

| SIZE | CAGE CODE | DWG. NO. |
|---|---|---|
| B | 95077 | M39012/55-3028 |

SCALE: 5:1 SHEET 1 OF 1