

# PRODUCT DATA DRAWING

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	DCN 38729	12/11	STW

**MATERIAL:**

BODY & COUPLING NUT: STAINLESS STEEL PER AMS-5640, ALLOY UNS S30300, TYPE 1

CONTACT : BRASS ASTM-B16, ALLOY UNS C36000, HO2

LOCK RING: BERYLLIUM COPPER PER ASTM-B196, ALLOY No. UNS C17300, TD04

SOLDER RING: BRASS PER ASTM B16, ALLOY UNS C3600, HO2

INSULATOR: PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B

GASKET: SILICONE RUBBER PER A-A-59588, CLASS 2B

**FINISH:**

CONTACT, BODY, & SOLDER RING: GOLD PER ASTM B488, TYPE II, CODE C, CLASS 1.27 MIN; OVER NICKEL PER AMS-QQ-N-290, CLASS 1, .00005" MIN

COUPLING NUT: PASSIVATED PER AMS 2700

**PERFORMANCE:**

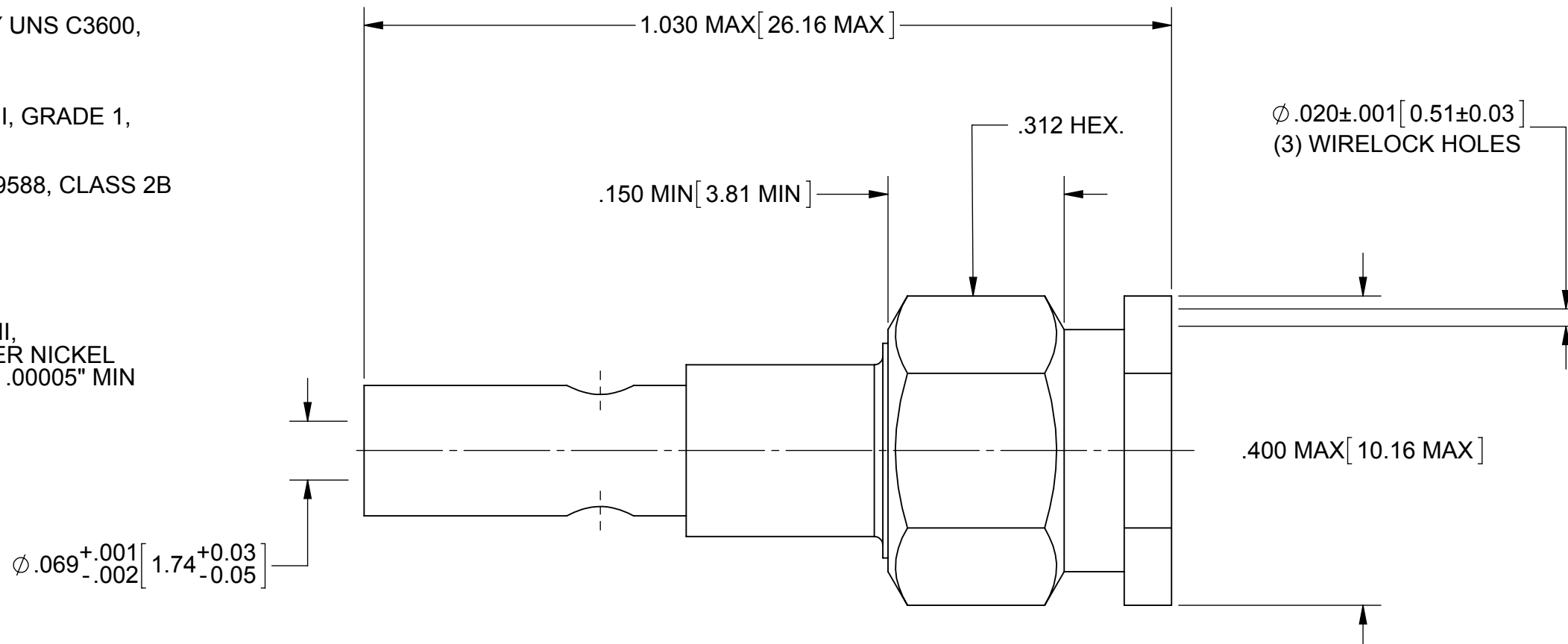
IMPEDANCE: 50 OHMS

FREQUENCY RANGE: DC TO 12.4 GHz

VSWR: 1.15+.020 (F IN GHz)

INSERTION LOSS: .06 X SQRT(F(F IN GHz))

OPERATING TEMP: -65°C TO +165° C



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	<b>SV Microwave, Inc.</b> 2400 Centrepark West Drive, Suite 100 West Palm Beach, FL 33409
FINISH: SEE NOTES	DECIMAL: X ±.030 .XX ±.010 .XXX ±.005	INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994	TITLE: SMA STRAIGHT SOLDER PLUG FOR RG-316 CABLE
SURFACE AREA: N/A	THIRD ANGLE PROJECTION	DRAWN: RPA 12/18/85	SIZE: B CAGE CODE: 95077 DWG. NO.: M39012/55-3007
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.		CHECKED: ND 02/26/86	SCALE: 6:1 SHEET 1 OF 1
		APPROVED: ND 02/26/86	