

REVISIONS			
REV	CHANGE NO.	DATE	APPROVED
-	INIT RLSE	----	

# TITANIUM COMPATIBLE LASER WELDABLE 50 OHM FEEDTHROUGH SMP ADAPTABLE, .015 DIAMETER CENTER CONTACT

- CONFIGURATION FOR INTERFACING TO SMP "BULLET" STYLE ADAPTER
- DESIGNED TO LASER WELD INTO AN ELECTRONIC CHASSIS WALL
- INDUSTRY STANDARD NICKEL-IRON-COBALT ALLOY CONTACT WITH CORNING 7070 EQUIVALENT GLASS
- INTEGRAL RF GROUNDING TAB FOR EXCELLENT PERFORMANCE OVER TEMPERATURE

1. LEAK RATE: LESS THAN OR EQUAL TO  $1 \times 10^{-9}$  CC/SEC  $H_2$  AT ONE ATMOSPHERE DIFFERENTIAL PRESSURE.

2. NOMINAL IMPEDANCE: 50 OHMS.

3. INTERFACE IN ACCORDANCE WITH MIL-STD-348, SMP.

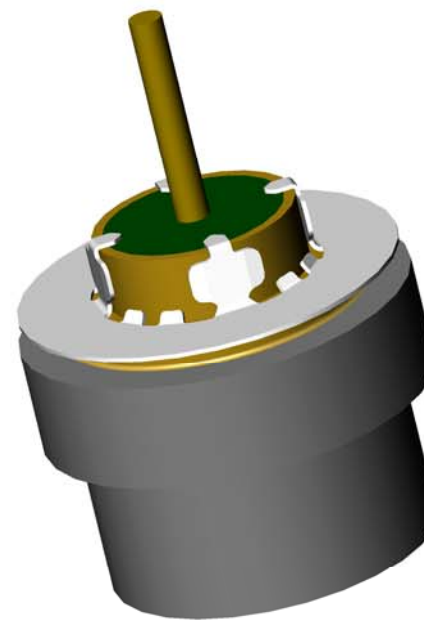
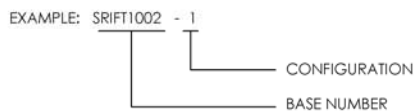
4. MATERIALS:  
 CONTACT: NICKEL-IRON-COBALT ALLOY IN ACCORDANCE WITH ASTM F15.  
 DIELECTRIC: CORNING 7070 EQUIVALENT GLASS (MATCHED SEAL).  
 SHELL: TITANIUM GRADE 2 (UNALLOYED) IN ACCORDANCE WITH ASTM B265.  
 RF GROUNDING SPRING: STAINLESS STEEL ALLOY 300-SERIES.

5. FINISH:  
 CONTACT: NICKEL PLATE PER QQ-N-290, CLASS 2, \_\_\_\_\_ / \_\_\_\_\_ THICK.  
 GOLD PLATE PER ASTM B488, TYPE \_\_, CODE \_\_, \_\_\_\_\_ / \_\_\_\_\_ THICK.

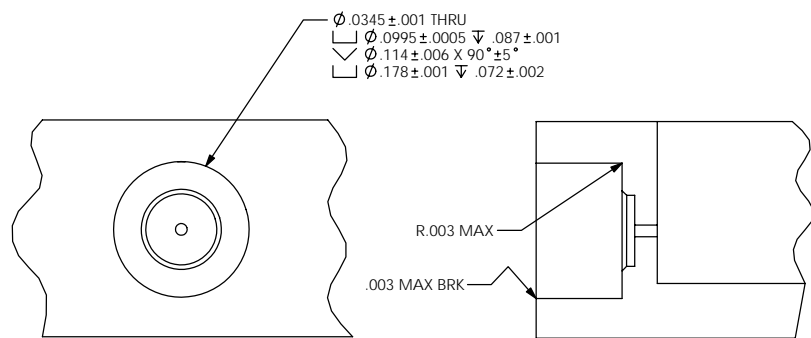
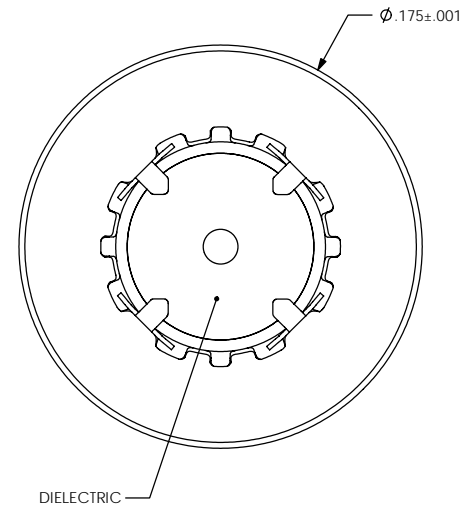
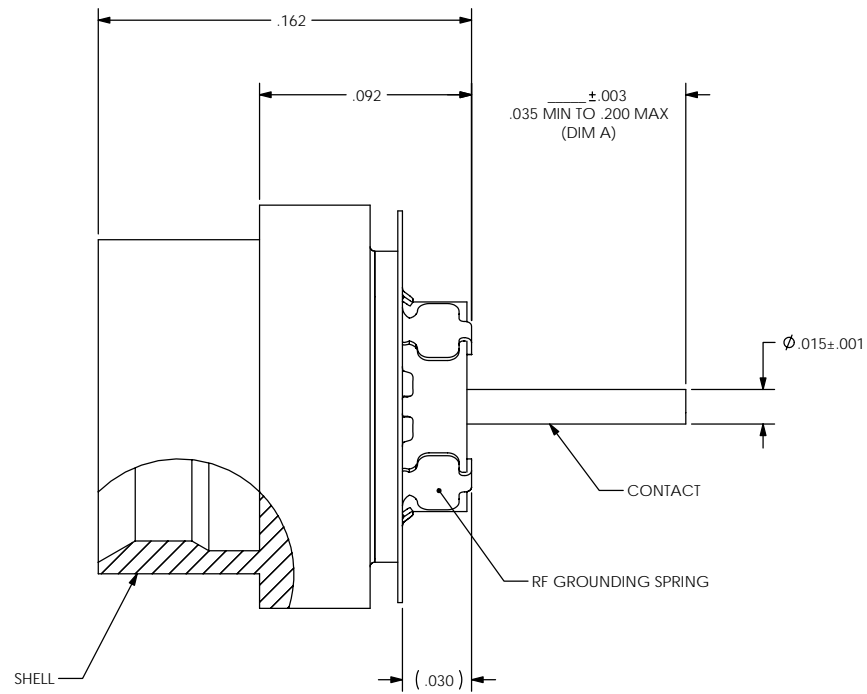
SHELL: PASSIVATED.

6. SPECIAL TEST REQUIREMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

7. ORDERING INSTRUCTIONS:  
 SPECIFY BASE NUMBER FOLLOWED BY DASH NUMBERS INDICATING CONFIGURATION (SEE SHEET 2+):



UNLESS OTHERWISE SPECIFIED		(321) 254-4067 WWW.SRIHERMETICS.COM	
DIMENSIONING IAW ASME Y14.5M-1994 DIMENSIONS APPLY AFTER PROCESSES DIMENSIONS IAW US CUSTOMARY UNITS .X ± .1, .XX ± .01, .XXX ± .005, $\angle \pm .5^\circ$ .010 MAX OUTSIDE R, .005 MAX INSIDE R 125 RMS SURFACE FINISH		TITLE FEEDTHROUGH, TITANIUM LASER WELDABLE SMP	
THIRD ANGLE PROJECTION		SIZE A	DOCUMENT SRIFT1002
		SCALE 12:1	REV -
		CAGE CODE 3PJY7	SHEET 1 OF 3



HOLE DETAIL

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONING IAW ASME Y14.5M-1994  
 DIMENSIONS APPLY AFTER PROCESSES  
 DIMENSIONS IAW US CUSTOMARY UNITS  
 .X±.1, .XX±.01, .XXX±.005,  $\angle \pm 5^\circ$   
 .010 MAX OUTSIDE R, .005 MAX INSIDE R  
 125 RMS SURFACE FINISH



**SRI HERMETICS** (321) 254-4067  
 WWW.SRIHERMETICS.COM

TITLE FEEDTHROUGH, TITANIUM LASER WELDABLE SMP

THIRD ANGLE PROJECTION	SIZE A	DOCUMENT	SRIFT1002	REV -
	SCALE 12:1	CAGE CODE	3PJY7	SHEET 2 OF 3

PART NUMBER	A	PIN FINISH	SPECIAL TESTING
SRIFT1002-1  1/	0.050	NICKEL PLATE PER QQ-N-290, CL2 .000100/.000250 THICK  GOLD PLATE PER ASTM B488, TYPE 3, CODE A, .000050/.000150 THICK	-

1/ DENOTES STANDARD CONFIGURATION

UNLESS OTHERWISE SPECIFIED DIMENSIONING IAW ASME Y14.5M-1994 DIMENSIONS APPLY AFTER PROCESSES DIMENSIONS IAW US CUSTOMARY UNITS .X±.1, .XX±.01, .XXX±.005, $\angle \pm 5^\circ$ .010 MAX OUTSIDE R, .005 MAX INSIDE R 125 RMS SURFACE FINISH		 (321) 254-4067 WWW.SRIHERMETICS.COM	
THIRD ANGLE PROJECTION 		TITLE FEEDTHROUGH, TITANIUM LASER WELDABLE SMP SIZE A DOCUMENT SRIFT1002 REV - SCALE 8:1 CAGE CODE 3PJY7 SHEET 3 OF 3	