1. **HEMmETIC LEAK RATE**: LESS THAN OR EQUAL TO 1 X 10^-9 CC/SEC MEA AT 1 ATM DIFFERENTIAL PRESSURE.

2. **NOMINAL IMPEDANCE**: 50 OHMS.

3. **INSULATION RESISTANCE**: 5000 MEGOHMS MINIMUM.

4. **DESIGNED TO BE LASER WELDED INTO TITANIUM HOUSINGS**.

5. **MATERIALS**: WELD FLANGE: TITANIUM (GRADE 1 OR 2)
   CONTACT: NI/Fe/Cu (Kovar) IAW ASTM-F15 OR MIL-1-23011
   INSULATOR: 1000 CORNING GLASS OR EQUIVALENT
   GROUND SPRING: 90%/10%/100% IAW ASTM-B194, T004

6. **FINISH**: CONTACT, BODY AND GROUND SPRING:
   NICKEL PLATE IAW QQ-N-290, OR EQUIVALENT, .000100/.000250 THICK
   GOLD PLATE IAW ASTM B488, TYPE III, CODE A, OR EQUIVALENT, .000050/.000150 THICK

7. **GROUND SPRING SHIPPED LOOSE AND UNATTACHED**

8. **ORDERING INFORMATION**: PLEASE SPECIFY ACCORDING TO THE FOLLOWING:
   **EXAMPLE**: 93842 - FD - O50
   
   - A = PIN EXTENSION (0.020 MIN, 0.120 MAX)
   - FD = FULL DETENT, NO = NO DETENT
   - BASE PART NUMBER

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**NOTE:**

- DETAIL A
  SCALE: 10.000
  R.002 MAX
  .003 MAX EDGE BREAK
  1.015 MIN RECOMMENDED

- DETAIL A
  SCALE: 5.000
  .003 MAX EDGE BREAK
  R.003 MAX

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**SECTION A-A**

- .0025±.001 THR
  .0035±.0005, SHOWN
  .0035±.0005, SHOWN
  (.003 X .0005 ± .0005)
  (.013±.0005) THR

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**SECTION A-A**

- .093±.003
  .003±.001
  .044±.001
  1.015 MIN RECOMMENDED

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**HOLE DETAIL**

- .028±.001 THR
- .100±.0005, SHOWN
- .100±.0005, SHOWN

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**CONTACT**

- .092±.002

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**SCALE 10.000**

**SCALE 5.000**

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**GROUND SPRING**

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**WELD FLANGE**

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**SCALE 5.000**

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**SCALE 10.000**

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**SECTION A-A**

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**CONTACT**

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**GROUND SPRING**

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**HOLE DETAIL**

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**SCALE 5.000**

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**SCALE 10.000**