CONTACTS (ITEMS 8 & 10). (ITEMS 9 & 11). ALL OTHER POSITIONS SHALL USE COPPER. POSITION "X" SHALL USE CONSTANTAN SOCKET & PIN ELECTRICAL CONTINUITY.

REF-OPERATING TEMPERATURE: -25 TO 125

QUANTITIES, UNLESS OTHERWISE NOTED OR REQUIRED). A LESSER PERCENTAGE FOR LARGE PRODUCTION

NOTES:
1. HE LEAK TEST @1 ATM. <5x10^-8 C.C./S.
2. HYPOT 630 VDC 500 MEGAOHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN AND HOUSING.
3. CONTINUITY TEST W/ MATING CONNECTORS <0.5 OHMS.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. PERCENTAGE OF PARTS TESTED WILL BE 100% (MAY BE A LESSER PERCENTAGE FOR LARGE PRODUCTION QUANTITIES, UNLESS OTHERWISE NOTED OR REQUIRED).
6. REF-OPERATING TEMPERATURE: -25 TO 125°C
7. SHELLS FOR ITEMS 1 & 2, AND HOUSING (ITEM 3) TO HAVE ELECTRICAL CONTINUITY.
8. POSITION "X" SHALL USE CONSTANTAN SOCKET & PIN (ITEMS 9 & 11). ALL OTHER POSITIONS SHALL USE COPPER CONTACTS (ITEMS 8 & 10).

### Installation Port

#### Dimensions
- **Atmosphere**:
  - **Diameter** (ϕ): 2.75
  - **Height**: 3.7

- **Vacuum**:
  - **Diameter** (ϕ): 1.885

### Notes
- **All dimensions and tolerances apply to finished part in inches.**
- **Ambient temperature: 70°F ±10°F (21°C ±5°C).**
- **Design, color, and materials subject to change in the event of improvements.**
- **See Note 89.**
- **See Note 8.**

### Parts List
<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>1</td>
<td>M39029/10-139</td>
<td>SOCKET #20 CONSTANTAN</td>
</tr>
<tr>
<td>10</td>
<td>54</td>
<td>M39029/10-138</td>
<td>SOCKET #20 COPPER</td>
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<tr>
<td>9</td>
<td>1</td>
<td>M39029/9-133</td>
<td>PIN #20 CONSTANTAN</td>
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<tr>
<td>8</td>
<td>54</td>
<td>M39029/9-132</td>
<td>PIN #20 COPPER</td>
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<tr>
<td>6</td>
<td>1</td>
<td>0185</td>
<td>NUT VS26-55</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>PAVE-Seal 150</td>
<td>EPOXY BLACK</td>
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<tr>
<td>4</td>
<td>1</td>
<td>-226 VITON</td>
<td>O-RING -226 VITON 75</td>
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<tr>
<td>3</td>
<td>1</td>
<td>1511</td>
<td>HOUSING VS26-55</td>
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<tr>
<td>2</td>
<td>1</td>
<td>SEE TABLE</td>
<td>PC PT 55#20 SOCKETS</td>
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<tr>
<td>1</td>
<td>1</td>
<td>SEE TABLE</td>
<td>PLUG 55#20 PINS</td>
</tr>
</tbody>
</table>

### Additional Information
- **PART# ITEM 1 ITEM 2 KAMAN#**
- **2733** M3476L22-55AN MS3470L22-55BN KT11553-27
- **2733Y** M3476L22-55AY MS3470L22-55BY KT11553-28

### Contact Information
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