### Dimensions

<table>
<thead>
<tr>
<th>PAVE#</th>
<th>X</th>
<th>Y</th>
<th>O-RING (ITEM 4)</th>
<th>OP. TEMP. RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1650</td>
<td>48[1219]</td>
<td>48[1219]</td>
<td>-215 VITON</td>
<td>-20 °C TO 125 °C</td>
</tr>
<tr>
<td>1650-1</td>
<td>60[1524]</td>
<td>60[1524]</td>
<td>-215 VITON</td>
<td>-20 °C TO 125 °C</td>
</tr>
<tr>
<td>1650-2</td>
<td>120[3048]</td>
<td>60[1524]</td>
<td>-215 VITON</td>
<td>-20 °C TO 125 °C</td>
</tr>
<tr>
<td>1650-3</td>
<td>168[4267]</td>
<td>12[305]</td>
<td>-215 NM304-75</td>
<td>-54 °C TO 121 °C</td>
</tr>
</tbody>
</table>

### Notes:

1. HE LEAK TEST @ 1 ATM. 1X10^-6 CC/SEC OR LESS. A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND HOUSING.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. WIRE POSITIONING IS APPROXIMATE & VARIABLE.
6. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER: <= .5 [12.7] SEAL DIAMETER: Ø .035 [.89] MAX ALLOWED VOID SIZE
   > .5 [12.7] SEAL DIAMETER: Ø .060 [1.5] MAX ALLOWED VOID SIZE
7. END-STRIP BOTH ENDS AS SHOWN FOR 1650-1 ONLY.
8. REF-OPERATING TEMPERATURE PER TABLE.
9. PAVE-SEAL CAN BE A BI-DIRECTIONAL HERMETIC SEAL FOR VACUUM AND MOST PRESSURES. FOR PressURES ABOVE 150 PSI (10 BAR), CHECK WITH SALES ENGINEERING.
10. DIMENSIONS ARE INCHES [millimeters].
11. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
12. 1650-NW40 ONLY IS MOUNTED TO ITEM 6 (SEE SMALLER VIEW), AND NO ITEM 5 INCLUDED.

### Vacuum Atmosphere

- 0.32 [8.1] X.XX DECIMAL
- 0.02 [0.05] X.XXX DECIMAL
- 0.005

### Notes on Material Level

- DEGREE SURFACE FINISH 128 microinch RMS
- 25.53 [1.005]

### Notes on Scale

- VS15L INSTALLATION PORT

- 1 DEGREE SURFACE FINISH 128 microinch RMS
- 32 [0.32]
- 23.6 [3.8]
- 3.8 [0.15] X.XX DECIMAL
- 0.02 [0.05] X.XXX DECIMAL