NOTES:

1. HE LEAK TEST @ 1 ATM. 1X10^-6 CC/SEC OR LESS. A -012 O-RING IS USED FOR TESTING PURPOSES AND LUBRICATED WITH IPA ONLY. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.

2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM.

3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.

4. ALL PARTS MUST PASS ALL TESTS.

5. WIRE COLOR POSITIONING IS CRITICAL.

6. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:
   - <= .5 [12.7] SEAL DIAMETER: .035 [0.89] MAX ALLOWED VOID SIZE
   - > .5 [12.7] SEAL DIAMETER: .060 [1.5] MAX ALLOWED VOID SIZE

7. REF-OPERATING TEMPERATURE -60 C TO 150 C.

8. REF-PARTS ARE DEFLASHED ON PARTING LINE +0.002 [0.05] MAXIMUM.

9. DIMENSIONS ARE INCHES (millimeters).

10. 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.

11. BLACK WIRE TO BE MARKED WITH PAVE 4740 & BATCH CODE.

12. LABELS ON THE OUTSIDE OF EACH BAG TO BE MARKED WITH PAVE 4740, CAGE CODE, EATON 11-0033-4031, & BATCH CODE.

13. DIMENSION B TO OVERALL LENGTH EXCLUDING OVERFILL ON VACUUM SIDE OF HOUSING & EPOXY BOSS ON ATMOSPHERE SIDE.

14. WIRES WILL BE TWISTED INTO PAIRS ON BOTH SIDES OF A PART, 2 TO 3 TWISTS PER INCH, PAIR COLORS PER TABLE.

**REQUIRED TOOLS & PARTS**

- #4-40 FASTENER
- #4 WASHER

** INSTALLATION PORT**

- PAVE# 4740
- SP8S INSTALLATION PORT

** RETENTION OPTION**

- SECURE PART WITH APPROPRIATE LENGTH #4-40 FASTENER & #4 TYPE B REGULAR WASHER PER ANSI/ASME B18.22.1-1965

** Twisted Pair Table**

<table>
<thead>
<tr>
<th>PAIR#</th>
<th>COLOR (ITEM#)</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BLACK (ITEM 2) + BROWN (ITEM 3)</td>
<td>4819 HOUSING SP8S-E</td>
</tr>
<tr>
<td>2</td>
<td>RED (ITEM 4) + YELLOW (ITEM 6)</td>
<td>722/22/33 GREEN</td>
</tr>
<tr>
<td>3</td>
<td>ORANGE (ITEM 5) + GREEN (ITEM 7)</td>
<td>722/22/33 YELLOW</td>
</tr>
<tr>
<td>4</td>
<td>BLACK (ITEM 8)</td>
<td>722/22/33 RED</td>
</tr>
<tr>
<td>5</td>
<td>BLACK (ITEM 8)</td>
<td>722/22/33 BROWN</td>
</tr>
<tr>
<td>6</td>
<td>BLACK (ITEM 8)</td>
<td>722/22/33 BLACK</td>
</tr>
<tr>
<td>7</td>
<td>A/R PAVE-Seal 200</td>
<td>EPOXY BLACK</td>
</tr>
</tbody>
</table>