



NOTES:

1. HE LEAK TEST @ 1 ATM. 1X10<sup>-8</sup> 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 TO SHIELDING AND HOUSING.
3. CABLES MUST HAVE CONTINUITY END TO END FOR BOTH SHIELD AND CENTER CONDUCTOR.
4. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
5. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
6. ALL PARTS MUST PASS ALL TESTS.
7. WIRE POSITIONING IS APPROXIMATE & VARIABLE.
8. COSMETIC SURFACE VOIDS SMALLER THAN  $\phi 0.035$  [0.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
9. REF-OPERATING TEMPERATURE -40°C TO 120°C.
10. DIMENSIONS ARE INCHES [millimeters].
11. 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.

|      |     |                    |                                      |
|------|-----|--------------------|--------------------------------------|
| 7    | 110 | BRADY WIRE MARKERS | NUMBERED 1-55                        |
| 6    | 2   | STRAIN RELIEF      | CABLE CLAMP                          |
| 5    | 1   | 4381               | NUT VS44-SS                          |
| 4    | 1   | -233 VITON LT      | O-RING -233 LOW-TEMP VITON 75        |
| 3    | 55  | ETFE #20 SHIELDED  | CABLE 20AWG ETFE SHIELDED & JACKETED |
| 2    | A/R | PAVE-Seal 150      | EPOXY BLACK                          |
| 1    | 1   | 4379               | HOUSING VS44L-SS                     |
| ITEM | QTY | PART NUMBER        | DESCRIPTION                          |

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES.  
 ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE: NONE ±0.5  
 X.X DECIMAL ±0.1 X.XX DECIMAL ±0.02 X.XXX DECIMAL ±0.005  
 ANGLES ±1 DEGREE SURFACE FINISH 128 microinch RMS

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DESCRIPTION  
 VS44L-SS-150-55-1/CSJ TZ20 10-12m

PART NUMBER  
**5166**

MATERIAL NOTED

REVISION LEVEL PRELIM

PROJECTION