



NOTES:

1. HE LEAK TEST @1 ATM, 10X10<sup>-7</sup> CC/SEC OR LESS.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM, CENTER CONDUCTOR TO SHELL & HOUSING WITH MATING CONNECTORS.
3. CONTINUITY TEST CENTER CONDUCTOR TO CENTER CONDUCTOR & SHELL TO SHELL <0.5 W EACH.
4. 1518: AC HYPOT 5000 VAC, 1 SECOND MINIMUM, CENTER CONDUCTOR TO SHELL & HOUSING AND SHELL TO HOUSING, 5 mA MAXIMUM LEAKAGE. 1518-1: DC HYPOT 7000 VDC, 1 MINUTE MINIMUM, CENTER CONDUCTOR TO SHELL & HOUSING AND SHELL TO HOUSING, 1  $\mu$ A MAXIMUM LEAKAGE.
5. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
6. ALL PARTS MUST PASS ALL TESTS.
7. DIMENSIONS ARE INCHES [millimeters].
8. VOIDS LARGER THAN  $\phi$ 0.035 [0.89] ARE NOT ACCEPTABLE.
9. REF-OPERATING TEMPERATURE -20°C TO 125°C.
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. THESE PARTS ARE CLEANED IN A TRICHLOROETHYLENE VAPOR, THEN PACKAGED IN A LAMINAR FLOW HOOD PROVIDING AN ISO CLASS 5 (CLASS 100) ENVIRONMENT IN THE WORK AREA.
12. ALCOHOL OR FOMBLIN YVAC3 MAY BE USED TO LUBE O-RINGS FOR VACUUM HELIUM LEAK TESTING.

| 5    | 1   | 0183            | NUT VS15-SS             |
|------|-----|-----------------|-------------------------|
| 4    | 1   | -215 VITON      | O-RING -215 VITON 75    |
| 3    | 2   | SHV AMP#51494-2 | RCPT SHV ROHS COMPLIANT |
| 2    | A/R | PAVE-Seal 150HV | EPOXY BLUE HV           |
| 1    | 1   | 0161            | HOUSING VS15L-SS        |
| ITEM | QTY | PART NUMBER     | DESCRIPTION             |

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DESCRIPTION  
VS15L-SS-150HV-1-SHV-SHV

PART NUMBER  
**1518**

MATERIAL NOTED

REVISION LEVEL  
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PROJECTION

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