



NOTES:

1. HE LEAK TEST @ 1 ATM. 1X10⁻⁸ CC/SEC OR LESS. 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 WIRE TO WIRE, DRAINS AND HOUSING.
3. ITEM 3 SHALL BE TERMINATED ON BOTH ENDS WITH ITEM 4 AS FOLLOWS: YELLOW INSULATED CHROMEL WIRE TERMINATED TO THE POSITIVE (+) SIDE OF THE CONNECTOR, RED INSULATED ALUMEL WIRE TERMINATED TO THE NEGATIVE (-) SIDE OF THE CONNECTOR, DRAIN WIRE TO CONNECTOR GROUND.
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 NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:
 <= .5 [12.7] SEAL DIAMETER: ϕ .035 [.89] MAX ALLOWED VOID SIZE
 > .5 [12.7] SEAL DIAMETER: ϕ .060 [1.5] MAX ALLOWED VOID SIZE
9. REF-OPERATING TEMPERATURE RANGE -20 °C TO 125 °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.

| 6 | 1 | 1014 | NUT VS18-SS |
|------|-----|----------------|---|
| 5 | 1 | -219 VITON | O-RING -219 VITON 75 |
| 4 | 16 | GMP-K-F | CONNECTOR T/C MINI FEMALE LOW-NOISE TYPE K YELLOW |
| 3 | 8 | KT20 SHLD TWST | CABLE T/C TYPE K 20AWG TEFLON SHIELDED WITH DRAIN |
| 2 | A/R | PAVE-Seal 150 | EPOXY BLACK |
| 1 | 1 | 0660 | HOUSING VS18-SS |
| ITEM | QTY | PART NUMBER | DESCRIPTION |

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PAVE technology co.

DESCRIPTION
VS18-SS-150-8TSP-KT20-18T-18T

PART NUMBER
5360

MATERIAL NOTED

REVISION LEVEL -

PROJECTION

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