



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. QUALIFICATION LEAK TEST: 150 PSI, NO BUBBLES 30 SECONDS MINIMUM.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM THERMOCOUPLE PAIR TO THERMOCOUPLE PAIR AND HOUSING.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. WIRES ARE NOT REQUIRED TO BEND SHARPLY AT EPOXY SEAL SURFACE.
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. REF-OPERATING TEMPERATURE -20°C TO 85°C.
8. DIMENSIONS ARE INCHES [millimeters].
9. REF-HAND TIGHTEN HOUSING UNTIL HEX IS FLUSH AGAINST INSTALLATION PORT. **MAXIMUM INSTALLATION TORQUE 2 ft.lb.**
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.

5	A/R	FOMBLIN YVAC 3	LUBRICANT O-RING FOMBLIN GREASE
4	1	3-902 BUNA	O-RING 3-902 BUNA 75
3	2	KT30-22 TCB	CABLE T/C TYPE K #30 TEFLON W/ THERMOCOUPLE WELDED BEAD 25" OAL
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	4393	HOUSING SO5-AL (BLACK ANODIZED)
ITEM	QTY	PART NUMBER	DESCRIPTION

**PAVE technology co.**

2751 Thunderhawk Court  
Dayton, OH 45414-3445  
U.S.A.  
tel (937) 890-1100  
fax (937) 8905165  
www.pavetechnologyco.com

DESCRIPTION  
SO5-AL-150-2P-KT30-12-12BEAD

PART NUMBER  
**5181**

MATERIAL NOTED

REVISION LEVEL -

PROJECTION

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