



NOTES:

- HE LEAK TEST @1 ATM.  $1 \times 10^{-6}$  CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST. 5294-CF275 IS TESTED WITH A G-275 VITON GASKET (NOT INCLUDED).
- HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND HOUSING.
- ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
- ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
- ALL PARTS MUST PASS ALL TESTS.
- WIRE POSITIONING IS APPROXIMATE & VARIABLE, WIRES ARE NOT REQUIRED TO BEND SHARPLY AT EPOXY SEAL SURFACE.
- COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:  
 $\leq .5$  [12.7] SEAL DIAMETER:  $\phi .035$  [.89] MAX ALLOWED VOID SIZE  
 $> .5$  [12.7] SEAL DIAMETER:  $\phi .060$  [1.5] MAX ALLOWED VOID SIZE
- DIMENSIONS ARE INCHES [millimeters].
- REF-OPERATING TEMPERATURE  $-20^{\circ}\text{C}$  TO  $125^{\circ}\text{C}$ .
- 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.
- 5294-CF275 ONLY SHIPS INSTALLED AND LEAK TESTED, PER NOTE 1, IN ITEM 10 (CF275 ADAPTER) AND INCLUDES ITEM 11 (COPPER GASKET). 5294-CF275 DOES NOT INCLUDE ITEM 9 (JAM NUT).

ITEM	QTY	PART NUMBER	DESCRIPTION
10	1*	3821	*SEE NOTE 11 FLANGE CF275-SS VS15 ADAPTER
9	1*	1129	*SEE NOTE 11 NUT VS15-AL
8	1	-215 VITON	O-RING -215 VITON 75
7	2	E30 WHITE	WIRE 30E MIL-W-16878/4 7/#38
6	2	E30 RED	WIRE 30E MIL-W-16878/4 7/#38
5	2	E30 GREEN	WIRE 30E MIL-W-16878/4 7/#38
4	2	E30 BLACK	WIRE 30E MIL-W-16878/4 7/#38
3	16	KT30	CABLE T/C TYPE K 30AWG TEFLON
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	1898	HOUSING VS15-AL

**PAVE technology co.**

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

DESCRIPTION  
VS15-AL-150-16P/8-KT30/TE30-12-48

PART NUMBER  
**5294**

MATERIAL NOTED

REVISION LEVEL  
B

PROJECTION

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