



**NOTES:**

1. LEAK TESTING, A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE SPECIFIED TEST.  
FOR 1605: HE LEAK TEST @ 1 ATM.  $1 \times 10^{-7}$  CC/SEC OR LESS.  
FOR 1605-1: 600 PSI, NO N<sub>2</sub> BUBBLES 10 SECONDS MINIMUM.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND HOUSING.
3. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. WIRE POSITIONING IS APPROXIMATE & VARIABLE.
7. 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
8. REF-OPERATING TEMPERATURE RANGE -20°C TO 125°C.
9. DIMENSIONS ARE INCHES [millimeters].
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.

10	1	8L5N-SS NUT	NUT VS12-SS
9	1	-116 VITON	O-RING -116 VITON 75
8	1	E20 RED	WIRE 20E MIL-W-16878/4 .010 7/#28
7	1	E20 ORG	WIRE 20E MIL-W-16878/4 .010 7/#28
6	1	E20 GREEN	WIRE 20E MIL-W-16878/4 .010 7/#28
5	1	E20 BROWN	WIRE 20E MIL-W-16878/4 .010 7/#28
4	1	E20 BLUE	WIRE 20E MIL-W-16878/4 .010 7/#28
3	1	E20 BLACK	WIRE 20E MIL-W-16878/4 .010 7/#28
2	1	PAVE-Seal 150	EPOXY BLACK
1	1	1156	HOUSING VS12-SS
ITEM	QTY	PART NUMBER	DESCRIPTION

**PAVE technology co.**

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DESCRIPTION  
VS12-SS-150-6-TE20-12-12

PART NUMBER \*SEE NOTE 1 MATERIAL NOTED

**1605\***

REVISION LEVEL C 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