



**NOTES:**

1. 5086 ONLY: HE LEAK TEST @ 1 ATM. 1X10<sup>-6</sup> CC/SEC OR LESS.  
5086-1 ONLY: 2000 PSI, NO N2 BUBBLES 30 SECONDS MINIMUM. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE SPECIFIED LEAK TEST. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
2. INSERTION LOSS: <0.5 dB BETWEEN 1520nm & 1620nm, RETURN LOSS BETTER THAN -50 dB.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:  
<= .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
6. REF-OPERATING TEMPERATURE RANGE -40 °C TO 125 °C.
7. DIMENSIONS ARE INCHES [millimeters].
8. 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.

7	1	0894	NUT VS8-SS
6	1	-112 VITON LT	O-RING -112 VITON LOW-TEMP 75
5	1	SMF28	FIBER OPTIC SMF28 10/125 250 MICRON BUFFERED
4	2	M29504/15/4180C	CONTACT #16 SOC SMFO TERMINUS CERAMIC ALIGNMENT SLEEVE/125um FERRULE WITH UPC POLISH OR EQUAL
3	2	4568516H	RCPT FIBER SNAP-LOCK DELPHI
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	5059	HOUSING VS8L-SS
<b>ITEM</b>	<b>QTY</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>

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DESCRIPTION  
VS8L-SS-150-1-SMFO-SNAPLOCK

PART NUMBER \*SEE NOTE MATERIAL NOTED  
**5086**

REVISION LEVEL A 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