



NOTES:

1. HE LEAK TEST @ 1 ATM. 1X10⁻⁷ CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. OPTICAL CONTINUITY CHECK, 12 MINIMUM GOOD FIBERS IN EACH BUNDLE OF 13 (1 SPARE PER BUNDLE), 48 TOTAL.
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. FIBER POSITIONING IS APPROXIMATE & VARIABLE.
7. FIBERS ARE NOT REQUIRED TO BEND SHARPLY AT EPOXY SEAL SURFACE.
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 -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.

7	1	1014	NUT VS18-SS
6	1	-219 EPDM	O-RING -219 EPDM 70
5	4	CM155	SLEEVING 1/8" BRAIDED EXPANDABLE PFA TEFLON CLEAR HEAT & CHEMICAL RESISTANT
4	4	TFT-200-15	TUBING TEFLON .059 ID THIN WALL ASTM D 3295 CLEAR
3	*SEE NOTE 2 52*	K5C000040	FIBER OPTIC MULTIMODE 50/125um DRAKA SUPER RADHARD
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	0660	HOUSING VS18-SS
ITEM	QTY	PART NUMBER	DESCRIPTION

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DESCRIPTION
VS18-SS-150-48-MMFO-236-118

PART NUMBER
5272

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