



NOTES:

1. HE LEAK TEST @ 600 PSI, 1X10⁻⁶ CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT ITEM 3 ONLY, 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE TO SHIELD AND HOUSING.
3. CONTINUITY TEST ITEM 3 SHIELDS < 0.2 OHM END TO END.
4. MINIMUM QUANTITY 10 OF ITEM 3 IS REQUIRED, 11 CABLES MAXIMUM.
5. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR HELIUM LEAK TESTING.
6. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
7. ALL PARTS MUST PASS ALL TESTS.
8. WIRE POSITIONING IS APPROXIMATE & VARIABLE.
9. 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
10. REF-OPERATING TEMPERATURE RANGE -20 °C TO 125 °C.
11. DIMENSIONS ARE INCHES [millimeters].
12. 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 VITON	O-RING -219 VITON 75
5	2	M23053/5-101	TUBING SHRINK POLYOLEFIN BLACK
4	5	K34	WIRE 34 KAPTON SOLID ACCUGLASS 110824 OR EQUAL
3	*SEE NOTE 4 11*	CC-SC	CABLE COAX ULTRA MINIATURE 32 AWG STRANDED COPPER CONDUCTOR FEP INSULATION GOLD PLATED COPPER BRAID SHIELD FEP JACKET GOLD COLOR
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	0660	HOUSING VS18-SS
ITEM	QTY	PART NUMBER	DESCRIPTION

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

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DESCRIPTION
VS18-SS-150-11/5-CCSC/K34-20-91cm

PART NUMBER
5543

MATERIAL NOTED

REVISION LEVEL
A

PROJECTION