



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. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. CABLE POSITIONING IS APPROXIMATE & VARIABLE, CABLE SHOULD NOT BE BENT IMMEDIATELY OUTSIDE EPOXY SEAL SURFACE.
6. 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
7. REF-OPERATING TEMPERATURE RANGE -40°C TO 125°C.
8. DIMENSIONS ARE INCHES [millimeters].
9. 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. FREQUENCY RESPONSE-
 RETURN LOSS: >13 dB TO 52 GHz, >10 dB TO 65 GHz.
 INSERTION LOSS (TO ABOVE FREQUENCY LIMIT): <1.7 dB/ft @18 GHz, <2.1 dB/ft @27 GHz, <2.6 dB/ft @40 GHz, <3.2 dB/ft @65 GHz, <5.0 dB/ft @110 GHz (TYPICAL), +0.3 dB PER CONNECTOR.
11. CABLE MINIMUM INSIDE BEND RADIUS: .0625 [1.6] WITH SLOTTED MANDREL SPECIAL TOOLING, .125 [3.2] WITHOUT TOOLING.

5	1	8L5N-SS NUT	NUT VS12-SS
4	1	-116 VITON LT	O-RING -116 VITON LOW-TEMP 75
3	1	V047FF-30RD	COAX CABLE ASSEMBLY 1.85mm FEMALE TO 1.85mm FEMALE .047" SEMI-RIGID TIN-PLATED COPPER CABLE 30" OAL RoHS
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	1180	HOUSING VS12L-SS
ITEM	QTY	PART NUMBER	DESCRIPTION

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

DESCRIPTION
 VS12L-SS-150-1-65GHZCOAX-F-30F

PART NUMBER
5251

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