



**NOTES:**

1. HE LEAK TEST @ 1 ATM. 1X10<sup>-7</sup> 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: Ø .035 [.89] MAX ALLOWED VOID SIZE  
 > .5 [12.7] SEAL DIAMETER: Ø .060 [1.5] MAX ALLOWED VOID SIZE
7. REF-OPERATING TEMPERATURE RANGE -20°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: >14 dB TO 48 GHz, >12 dB TO 65 GHz, FUNCTIONAL TO 110 GHz (VERIFIED 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	NUUT VS12-SS
4	1	-116 VITON	O-RING -116 VITON 75
3	2	W047FF-24RD	COAX CABLE ASSEMBLY 1.0mm FEMALE TO 1.0mm FEMALE .047" SEMI-RIGID TIN-PLATED COPPER CABLE 24" OAL RoHS
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	1180	HOUSING VS12L-SS
<b>ITEM</b>	<b>QTY</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>

2751 Thunderhawk Court  
Dayton, OH 45414-3445  
U.S.A.  
tel (937) 890-1100  
fax (937) 8905165  
www.pavetechnologyco.com

**PAVE technology co.**

DESCRIPTION  
VS12L-SS-150-2-100GHZCOAX-F-24F

PART NUMBER  
**5230**

MATERIAL NOTED

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