



**NOTES:**

1. LEAK TESTING, A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE SPECIFIED TEST.  
4708 ONLY: HE LEAK TEST @ 1 ATM. 1X10<sup>-7</sup> CC/SEC OR LESS. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.  
4708-1 ONLY: LEAK TEST 1100 PSI, NO N2 BUBBLES 30 SEC MIN.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM CENTER CONDUCTOR TO SMA SHELL AND HOUSING WITH MATING CONNECTORS. SHIELDING IS 100% AND CONTINUOUS (SHIELD IS FLOATING).
3. 4708-1 ONLY: RETURN LOSS < -10dB BETWEEN 2.4GHz AND 2.5GHz.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. ALL PARTS MUST PASS ALL SPECIFIED TESTS.
6. REF-OPERATING TEMPERATURE RANGE -20 °C TO 95 °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.
9. 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

5	1	0894	NUT VS8-SS
4	1	-112 VITON	O-RING -112 VITON 75
3	A/R	PAVE-Seal 150	EPOXY BLACK
2	2	142-0593-001	SMA JACK SOCKET STRAIGHT 26.5 GHz
1	1	3395	HOUSING VS8-SS
<b>ITEM</b>	<b>QTY</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>

**PAVE technology co.**

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

DESCRIPTION  
VS8-SS-150-1-SMA-SMA

PART NUMBER  
**4708**

MATERIAL NOTED

REVISION LEVEL  
E

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