



NOTES:

1. LEAK TEST AS FOLLOWS, A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE SPECIFIED TEST.
1669 ONLY: HE LEAK TEST @ 1 ATM. 1X10⁻⁷ CC/SEC OR LESS.
1669-1 ONLY: 655 PSI (45 BAR), NO N2 BUBBLES 30 SECONDS MINIMUM.
2. HYPOT 1000 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN AND HOUSING WITH MATING CONNECTORS.
3. CONTINUITY TEST < 0.5 Ohm PIN TO SOCKET WITH MATING CONNECTORS.
4. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
5. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
6. ALL PARTS MUST PASS ALL TESTS.
7. 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
8. ADDING "NP" TO THE PAVE PART NUMBER AND ORDER CODE INDICATES THAT ITEMS 7, 8, & 9 ARE NOT INCLUDED (NO PLUGS).
9. REF-OPERATING TEMPERATURE RANGE -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.

ITEM	QTY	PART NUMBER	DESCRIPTION
9	2	MS3057-24AN	SEE NOTE 8 STRAIN RELIEF 5015 SHELL SIZE 36 NICKEL PLATED ALUMINUM
8	1	PV3106A36-10P	SEE NOTE 8 PLUG 48#16 PIN NICKEL PLATED ALUMINUM SHELL, BLUE DIALLYL PHTHALATE INSERT, SOLDERCUP CONTACTS
7	1	SC3106A36-10S	SEE NOTE 8 PLUG 48#16 SOCKET NICKEL PLATED ALUMINUM SHELL, BLUE DIALLYL PHTHALATE OR BLACK NEOPRENE INSERT, SOLDERCUP CONTACTS
6	1	-231 VITON	O-RING -231 VITON 75
5	A/R	PAVE-Seal 150	EPOXY BLACK
4	1	PV3102A36-10S	RCPT 48#16 SOCKET NICKEL PLATED ALUMINUM SHELL, BLUE DIALLYL PHTHALATE INSERT
3	1	SC3102A36-10P	RCPT 48#16 PIN ELECTROLESS NICKEL PLATED ALUMINUM SHELL, BLUE DIALLYL PHTHALATE OR BLACK NEOPRENE INSERT
2	1	0102	NUT VS32-SS
1	1	3368	HOUSING VS32-SS

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

PAVE technology co.

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

DESCRIPTION
VS32-SS-150-48-16-3102PS

PART NUMBER *SEE NOTES 1 & 8
1669*

MATERIAL NOTED
REVISION LEVEL G

PROJECTION