



RECOMMENDED RETAINING RING  
SMALLEY VH-81 OR EQUAL

NOTES:

1. LEAK TEST: 300 PSI, NO BUBBLES 1 MINUTE MINIMUM PER SEAL, EACH SEAL TESTED INDIVIDUALLY. A GREEN PAINT DOT ON THE PRESSURE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND SHIELDS.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. WIRE POSITIONING IS APPROXIMATE & VARIABLE.
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. REF-PARTS ARE DEFLASHED ON PARTING LINE +0.005 [0.13] MAXIMUM.
9. DIMENSIONS ARE INCHES [millimeters].
10. 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	2	-016 VITON	O-RING -016 VITON 75
8	A/R	PARKER O-LUBE	LUBRICANT O-RING BARIUM-BASED
7	1	FIT-221-1/2	TUBING SHRINK POLYOLEFIN .5" CLASS 1 ALPHA BLACK
6	3	E20 RED	WIRE 20E MIL-W-16878/4 .010 7/#28
5	3	E20 BLACK	WIRE 20E MIL-W-16878/4 .010 7/#28
4	3	TEF 2/C #26 TSP	CABLE 2/C BLK/WHT 7/34
3	2	RG178	WIRE COAX M17/93 FEP/TFE 7#38 SPCS
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	2	4603	HOUSING SP12-E
<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  
 SP12-E-150-2/3/6-RG178/TSP26/TE20-500-220-500mm

PART NUMBER  
**4822**

MATERIAL NOTED

REVISION LEVEL  
 B

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