



**NOTES:**

1. LEAK TEST: X PSI, NO N2 BUBBLES 30 SECONDS MINIMUM. A GREEN PAINT DOT ON THE PRESSURE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 20 KVDC 1X10<sup>6</sup> MEGOHMS MINIMUM 0.01 SECOND MINIMUM CENTER CONDUCTOR TO RECEPTACLE SHELL WITH MATING CONNECTOR.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. 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
6. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON PRESSURE SIDE OF HOUSING.
7. REF-OPERATING TEMPERATURE -20 °C TO 85 °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. REF-PARTS ARE DEFLASHED ON PARTING LINE +.005 [.13] MAXIMUM.

PAVE#	X
4439	2000
4439-1	300

RECOMMENDED RETAINING RING  
 SMALLEY WH-96 OR EQUAL  
 (RETAINING RING NOT INCLUDED)

6	A/R	PARKER O-LUBE	LUBRICANT O-RING BARIUM-BASED
5	1	-016 VITON	O-RING -016 VITON 75
4	1	BELDEN 8866	WIRE #18 16/#30 .208 OD 40,000 VDC
3	1	4603	HOUSING SP12-E
2	A/R	PAVE-Seal 150HV	EPOXY HIGH VOLTAGE BLUE
1	1	SD1764-1	RCPT SHV 20 KVDC BH MOUNT
ITEM	QTY	PART NUMBER	DESCRIPTION

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

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DESCRIPTION  
 SP12-E-150HV-B8866-SHV-14

PART NUMBER \*SEE TABLE MATERIAL NOTED  
**4439\***

REVISION LEVEL C PROJECTION