



**NOTES:**

1. LEAK TEST: 300 PSI, NO BUBBLES 1 MINUTE MINIMUM PER SEAL, EACH SEAL TESTED INDIVIDUALLY. A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND SHIELD.
3. OPTICAL CONTINUITY CHECK WITH RED LASER.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. WIRE POSITIONING IS APPROXIMATE & VARIABLE.
7. NO COSMETIC SURFACE VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, COSMETIC SURFACE VOIDS SMALLER THAN Ø0.035 [0.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
8. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON PRESSURE SIDE OF HOUSING.
9. REF-OPERATING TEMPERATURE -20°C TO 125°C.
10. REF-PARTS ARE DEFLASHED ON PARTING LINE +0.005 [0.13] MAXIMUM.
11. DIMENSIONS ARE INCHES [millimeters].
12. 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	2	001U31-A9405-29	CABLE TIGHT-BUFFERED FIBER OPTIC CLEAR CURVE SINGLE MODE
3	1	RG316	CABLE COAX BELDEN 83284 OR EQUAL
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>

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-150-1/2/6-RG316/SMFO/TE20-500-220-500mm

PART NUMBER  
**4823**

MATERIAL NOTED

REVISION LEVEL -

PROJECTION