



**NOTES:**

1. LEAK TEST: 10000 PSI, NO N2 BUBBLES 30 SECONDS MINIMUM. A GREEN PAINT DOT ON THE PRESSURE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. OPTICAL CONTINUITY CHECK, 5 MINIMUM GOOD FIBERS.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. FIBER 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:  $\phi$ .035 [.89] MAX ALLOWED VOID SIZE  
 > .5 [12.7] SEAL DIAMETER:  $\phi$ .060 [1.5] MAX ALLOWED VOID SIZE
7. REF-OPERATING TEMPERATURE RANGE -20°C TO 85°C.
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. DIMENSIONS ARE INCHES [millimeters].

6	A/R	PARKER O-LUBE	LUBRICANT O-RING BARIUM-BASED
5	1	B/U RING -012	BACK UP RING -012 TEFLON SCARF CUT
4	2	-012 VITON	O-RING -012 VITON 75
3	12	O-STT-26	TUBING SPAGHETTI .018 TEFLON 26 GA LIGHTWEIGHT NATURAL
2	* SEE NOTE 2 6*	SM1500(5.3/80)	FIBER OPTIC SINGLE MODE DUAL ACRYLATE FIBERCORE SM1500(5.3/80)
1	A/R	PAVE-Seal 150	EPOXY BLACK
<b>ITEM</b>	<b>QTY</b>	<b>PART #</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

RECOMMENDED RETAINING RING  
 TRUARC #5000-56 OR EQUAL

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DESCRIPTION  
 SP8H-E-150-6-SM1500-24-24

PART NUMBER  
**5829**

MATERIAL NOTED

REVISION LEVEL -

PROJECTION