



.06 [1.5] MAXIMUM OVER/UNDERFILL,  
NOT INCLUDING MENISCUS ON FIBERS  
SPACING CONTROL NOT REQUIRED  
BOTH SIDES

2X ( [13 MAX]  
.5 MAX  
SEE NOTE 3 )

**NOTES:**

1. LEAK TEST: 300 PSI, NO N2 BUBBLES MINIMUM TIME PER TABLE. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. OPTICAL CONTINUITY CHECK WITH LASER.
3. JACKET MAY BE TRIMMED BACK TO ALLOW CLEAVING OF THE FIBER FOR OPTICAL TESTING ON BOTH SIDES.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. FIBER POSITIONING IS APPROXIMATE & VARIABLE.
7. 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
8. REF-OPERATING TEMPERATURE -20°C TO 85°C.
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.

PAVE#	X	Y	TEST TIME
5087	72 [1829]	144 [3658]	2.5 MINUTES
5087-1	39.37 [1000]	275.59 [7000]	3.5 MINUTES

ITEM	QTY	PART NUMBER	DESCRIPTION
3	10	HFBR-RUS100Z	CABLE FIBER OPTIC 1000um SIMPLEX POLYETHYLENE JACKET
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	3297	HOUSING PT12-SS

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DESCRIPTION  
PT12-SS-150-10-1000umFO-X-Y

PART NUMBER  
**5087**

MATERIAL NOTED

REVISION LEVEL  
A

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