



**NOTES:**

- LEAK TEST: (SEE TABLE) PSI, NO BUBBLES (SEE TABLE) FOR MINIMUM TIMES. A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST.
- HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE, FOR 0597-1, 0597-2, & 0597-7 ONLY, TEST W/LONG END IN SALT WATER, WIRE TO WIRE & WATER.
- ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
- ALL PARTS MUST PASS ALL TESTS.
- FOR PAVE 0597-2, 0597-3, & 0597-7 USE -012 SILICONE AS ITEM 3 INSTEAD OF -012 VITON. FOR 0597-8, USE -012 VITON LT.
- WIRE COLOR ARRANGEMENT MAY VARY.
- WIRES ARE NOT REQUIRED TO BEND SHARPLY AT EPOXY SEAL SURFACE.
- DIMENSIONS ARE INCHES [millimeters].
- COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:  
 $\leq .5$  [12.7] SEAL DIAMETER:  $\phi .035$  [.89] MAX ALLOWED VOID SIZE  
 $> .5$  [12.7] SEAL DIAMETER:  $\phi .060$  [1.5] MAX ALLOWED VOID SIZE
- REF-OPERATING TEMPERATURE RANGE SEE TABLE.
- 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#	Z	X	TEST PRESSURE	TEST TIME	TEMPERATURE
0597	27.6 [700]	27.6 [700]	80 PSI	2.5 MINUTES	-20°C TO 125°C
0597-1	5 [127]	64 [1626]	80 PSI	3 MINUTES	-20°C TO 125°C
0597-2	5 [127]	36 [914]	80 PSI	2 MINUTES	-51°C TO 125°C
0597-3	23.6 [600]	7.9 [200]	80 PSI	1.5 MINUTES	-51°C TO 125°C
0597-5	59 [1500]	59 [1500]	580 PSI [40 BAR]	30 SECONDS	-20°C TO 125°C
0597-6	39 [1000]	78.7 [2000]	2900 PSI [200 BAR]	1 MINUTE	-20°C TO 125°C
0597-7	5 [127]	16 [406]	80 PSI	1 MINUTE	-51°C TO 125°C
0597-8	27.6 [700]	27.6 [700]	80 PSI	2.5 MINUTES	-35°C TO 125°C

ITEM	QTY	PART NUMBER	DESCRIPTION
12	1	TZ22 WHT 19	WIRE 22TZ MILW22759/44A .006 19/#34
11	1	TZ22 GREY 19	WIRE 22TZ MILW22759/44A .006 19/#34
10	1	TZ22 VIOLET 19	WIRE 22TZ MILW22759/44A .006 19/#34
9	1	TZ22 BLUE 19	WIRE 22TZ MILW22759/44A .006 19/#34
8	1	TZ22 GRN 19	WIRE 22TZ MILW22759/44A .006 19/#34
7	1	TZ22 YLW 19	WIRE 22TZ MILW22759/44A .006 19/#34
6	1	TZ22 ORG 19	WIRE 22TZ MILW22759/44A .006 19/#34
5	1	TZ22 RED 19	WIRE 22TZ MILW22759/44A .006 19/#34
4	1	TZ22 BROWN 19	WIRE 22TZ MILW22759/44A .006 19/#34
3	2	-012 VITON SEE NOTE 5	O-RING -012 VITON 75
2	A/R	PARKER O-LUBE	LUBRICANT O-RING BARIUM-BASED
1	1	1226L	HOUSING SP8L-E

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DESCRIPTION  
SP8L-E-150-9-TZ22-Z-X

PART NUMBER  
**0597**

MATERIAL NOTED

REVISION LEVEL  
V

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