



NOTES:

1. LEAK TEST: 80 PSI, NO BUBBLES 1 MINUTE MINIMUM.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. WIRE COLOR POSITIONING IS VARIABLE.
6. WIRES ARE NOT REQUIRED TO BEND SHARPLY AT EPOXY SEAL SURFACE.
7. NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, VOIDS SMALLER THAN $\phi 0.035$ [.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
8. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON ATMOSPHERE SIDE OF HOUSING.
9. ITEM 19 IS INCLUDED BUT NOT SHOWN.
10. REF-OPERATING TEMPERATURE -20 °C TO 125 °C.
11. REF-PARTS ARE DEFLASHED ON PARTING LINE +0.005 [.13] MAXIMUM.
12. DIMENSIONS ARE INCHES [millimeters].
13. 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.

ITEM	QTY	PART NUMBER	DESCRIPTION
19	1	RR 5100-75-HST ^{*SEE NOTE 9}	RETAINING RING EXTERNAL .750SS
18	A/R	PARKER O-LUBE	LUBRICANT O-RING BARIUM-BASED
17	1	-016 VITON	O-RING -016 VITON 75
16	1	E28 BLK/WHT	WIRE 28E MIL-W-16878/4 .010 7/#36
15	1	E28 WHT/ORG	WIRE 28E MIL-W-16878/4 .010 7/#36
14	1	E28 WHT/GRN	WIRE 28E MIL-W-16878/4 .010 7/#36
13	1	E28 WHT/BLU	WIRE 28E MIL-W-16878/4 .010 7/#36
12	1	E28 WHITE	WIRE 28E MIL-W-16878/4 .010 7/#36
11	1	E28 VIOLET	WIRE 28E MIL-W-16878/4 .010 7/#36
10	1	E28 RED/WHT	WIRE 28E MIL-W-16878/4 .010 7/#36
9	1	E28 RED	WIRE 28E MIL-W-16878/4 .010 7/#36
8	1	E28 ORANGE	WIRE 28E MIL-W-16878/4 .010 7/#36
7	1	E28 GRAY	WIRE 28E MIL-W-16878/4 .010 7/#36
6	1	E28 GREEN	WIRE 28E MIL-W-16878/4 .010 7/#36
5	1	E28 BROWN	WIRE 28E MIL-W-16878/4 .010 7/#36
4	1	E28 BLUE	WIRE 28E MIL-W-16878/4 .010 7/#36
3	1	E28 BLACK	WIRE 28E MIL-W-16878/4 .010 7/#36
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	0130	HOUSING SPF12-E

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
 SPF12-E-150-14-TE28-12-12

PART NUMBER
3837

MATERIAL NOTED

REVISION LEVEL -

PROJECTION