



NOTES:

1. LEAK TEST: 80 PSI, NO BUBBLES "Y" MINUTES MINIMUM. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
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 POSITIONING IS APPROXIMATE & VARIABLE, WIRES ARE NOT REQUIRED TO BEND SHARPLY AT EPOXY SEAL SURFACE.
6. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:
 <= .5 [12.7] SEAL DIAMETER: ϕ .035 [.89] MAX ALLOWED VOID SIZE
 > .5 [12.7] SEAL DIAMETER: ϕ .060 [1.5] MAX ALLOWED VOID SIZE
7. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON PRESSURE SIDE OF HOUSING.
8. REF-OPERATING TEMPERATURE -20 °C TO 60 °C.
9. REF-PARTS ARE DEFLASHED ON PARTING LINE +0.005 [0.13] MAXIMUM.
10. DIMENSIONS ARE INCHES [millimeters].
11. 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.

8	1	RR 5100-75-HST	RETAINING RING EXTERNAL .750SS
7	A/R	PARKER O-LUBE	LUBRICANT O-RING BARIUM-BASED
6	1	-016 VITON	O-RING -016 VITON 75
5	1	BELDEN 9451	CABLE #22 TSP, TPC W/PP INSULATION, FOIL + #22 TPC DRAIN, OVERALL PVC JACKET
4	1	E12 RED	WIRE 12E MIL-W-16878/4 .013 19/#25
3	1	E12 BLACK	WIRE 12E MIL-W-16878/4 .013 19/#25
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	0130	HOUSING SPF12-E
ITEM	QTY	PART NUMBER	DESCRIPTION

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-150-2/1-TE12/TSP22-24-X

PART NUMBER *SEE TABLE MATERIAL NOTED
5242*

REVISION LEVEL A PROJECTION