



NOTES:

- LEAK TEST: 80 PSI, NO BUBBLES 2 MINUTES MINIMUM. A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST.
- HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE.
- ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
- ALL PARTS MUST PASS ALL TESTS.
- 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
- WIRE COLOR POSITIONS ARE APPROXIMATE & VARIABLE.
- REF-OPERATING TEMPERATURE -55 °C TO 125 °C.
- 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.
- DIMENSIONS ARE INCHES [millimeters].
- THESE PARTS ARE CLEANED IN A DEGREASER SOLVENT VAPOR THEN PACKAGED IN A LAMINAR FLOW HOOD PROVIDING AN ISO CLASS 5 (CLASS 100) ENVIRONMENT IN THE WORK AREA.
- MICROSCOPE INSPECTION FOR "FOD" AFTER CLEANING.
- REF-PARTS ARE DEFLASHED ON PARTING LINE +0.005 [0.13] MAXIMUM.

10	1	E28 VIOLET	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 BLACK	WIRE 28E MIL-W-16878/4 .010 7/#36
7	1	E28 BROWN	WIRE 28E MIL-W-16878/4 .010 7/#36
6	1	E28 BLUE	WIRE 28E MIL-W-16878/4 .010 7/#36
5	1	E14 BLACK	WIRE 14E MIL-W-16878/4 .012 19/#27
4	A/R	PARKER O-LUBE	LUBRICANT O-RING BARIUM BASED
3	2	-012 FLUROSILIC	O-RING -012 FLUROSILICONE 70
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	1226M	HOUSING SP8M-E
ITEM	QTY	PART NUMBER	DESCRIPTION

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DESCRIPTION
SP8M-E-150-1/5-TE14/28-10-16

PART NUMBER
4180

MATERIAL NOTED

REVISION LEVEL
D

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