



NOTES:

1. LEAK TEST: 900 PSI, NO N2 BUBBLES 30 SECONDS MINIMUM. A GREEN PAINT DOT ON THE PRESSURE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE & SHIELDS.
3. CONTINUITY TEST ALL SHIELDS < 0.5 OHM END TO END.
4. OPTICAL CONTINUITY CHECK, 4 MINIMUM GOOD FIBERS.
5. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
6. ALL PARTS MUST PASS ALL TESTS.
7. WIRE AND FIBER POSITIONING IS APPROXIMATE & VARIABLE.
8. ITEMS 3 AND 4 ARE TWISTED INTO PAIRS ON BOTH SIDES, 1 TO 3 TWISTS PER INCH.
9. 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
10. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON PRESSURE SIDE OF HOUSING.
11. REF-OPERATING TEMPERATURE RANGE -40 °C TO 85 °C.
12. REF-PARTS ARE DEFLASHED ON PARTING LINE +0.005 [0.13] MAXIMUM.
13. DIMENSIONS ARE INCHES [millimeters].
14. 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	A/R	PARKER O-LUBE	LUBRICANT O-RING BARIUM-BASED
7	2	-020 NM304-75	O-RING -020 NBR LOW TEMP 75
6	*SEE NOTE 4 5*	157000-001	CABLE FIBER OPTIC 250uM SINGLE MODE HERMETIC FIBER WITH ARAMID YARN IN 2.9mm PU JACKET
5	5	N13-40T-251-R1	CABLE #28 TSP FEP WHT/BLK SPC BRAID PU JACKET
4	2	E22 RED	WIRE 22E MIL-W-16878/4 .010 7/#30
3	2	E22 BLK	WIRE 22E MIL-W-16878/4 .010 7/#30
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	4834	HOUSING SP16S-E
ITEM	QTY	PART NUMBER	DESCRIPTION

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DESCRIPTION
 SP16S-E-150-2/5/5-TP22/TSP28/SMFO-24-24

PART NUMBER 5532	MATERIAL NOTED
REVISION LEVEL -	PROJECTION

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES.
 ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE: NONE ±0.5
 XX DECIMAL ±0.1 X.XX DECIMAL ±0.02 X.XXX DECIMAL ±0.005
 ANGLES ±1 DEGREE SURFACE FINISH 128 microinch RMS