



NOTES:

1. LEAK TEST: 1500 PSI, NO N2 BUBBLES 30 SECONDS MINIMUM. A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 25 KVDC, 20 nA MAXIMUM LEAKAGE, 1 SECOND MINIMUM VOLTAGE APPLIED TO CENTER CONDUCTOR ONLY, LEAKAGE MEASURED TO SHIELD, TUBES, AND METAL PORT. NOTED AREAS WILL BE WRAPPED WITH TEFLON TAPE FOR TESTING ONLY.
3. CONTINUITY TEST SHIELD < 0.5 OHM END TO END.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. WIRE & TUBING POSITIONING IS APPROXIMATE & VARIABLE.
7. 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
8. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON PRESSURE SIDE OF HOUSING.
9. REF-OPERATING TEMPERATURE RANGE -20°C TO 90°C.
10. REF-PARTS ARE DEFLASHED ON PARTING LINE +0.005 [0.13] MAXIMUM.
11. DIMENSIONS ARE INCHES [millimeters].
12. 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.

9	5	2.5X1.5MM VITON	O-RING 2.5MM ID X 1.5MM CS VITON 75
8	5	5641PG2PLUGSS	O-RING SEAL SS PLUG FOR .250X.035 SS TUBE
7	2	-024 PARBAK	BACK-UP RING -024 PARBAK N0300-90
6	A/R	SUPER O-LUBE	LUBRICANT O-RING SILICONE-BASED
5	2	-024 E0603-70	O-RING -024 EPDM E0603-70
4	5	89785K51	TUBING 316SS 1/4" OD X .035" WALL STRAIGHT SEAMLESS 6' OAL
3	1	130660	CABLE COAX HIGH VOLTAGE 7/#30 TPC HDPE DIELECTRIC TPC BRAID PVC JACKET
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	5022	HOUSING SP20S-E
ITEM	QTY	PART NUMBER	DESCRIPTION

		2751 Thunderhawk Court Dayton, OH 45414-3445 U.S.A. tel (937) 890-1100 fax (937) 8905165 www.pavetechnologyco.com	
DESCRIPTION		SP20S-E-150-5/1-.25SSSTUBE/HVPC20-72-72	
PART NUMBER	5641	MATERIAL	NOTED
REVISION LEVEL	C	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