



ITEM	QTY	PART NUMBER	DESCRIPTION
4	4	SFLEX 100-8000	KAPTON FLEX CABLE ASSEMBLY 8" OAL
3	4	SFLEX 98-7000	KAPTON FLEX CABLE ASSEMBLY 7" OAL
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	5814	HOUSING FL143/24-AL (6061-T6)

NOTES:

- HE LEAK TEST @ 1 ATM. 1X10⁻⁷ CC/SEC OR LESS. TEST IS PERFORMED USING A .052 SIZE O-RING (NOT INCLUDED), ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RING FOR HELIUM LEAK TESTING. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
- ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
- ALL PARTS MUST PASS ALL TESTS.
- FINISH REQUIRED ON EPOXY SURFACE PAST NOTED DIMENSIONS.
- 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
- REF-OPERATING TEMPERATURE RANGE -20 °C TO 125 °C.
- DIMENSIONS ARE INCHES [millimeters].
- 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.

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
FL143/24-AL-150-8-FLEX-5.1-2.5

PART NUMBER
5812

MATERIAL NOTED

REVISION LEVEL
B

PROJECTION