

Single-pin penetrator glass-sealed feedthrough



245 (6.22) HEX

1.952 (49.58)
1.948 (49.48)

32/

R.080 (2.03)

R.010 (0.25)

B

-B-

0.310 (7.87)
2 PL
-A-

0.0635 (1.61)
0.0620 (1.57)

0.15 (.38) X 45°

0.250 (6.35)
0.248 (6.30)

0.215 (5.46)
0.211 (5.36)

0.103 (2.62)
0.101 (2.57)
0.640 (16.26)
0.638 (16.21)

0.15 (.38) X 45°

0.250-.28 UNF-2A

0.242 (6.15)
0.238 (6.05)

0.879 (22.33)

DETAIL B

0.275 (6.99)
0.030 (.76)

0.200 (5.08) MIN

32/

30°

0.314 (7.98)
0.312 (7.92)

MOUNTING DETAIL

0.250-.28 UNF-2B

32/

0.212 (5.38) / 0.210 (5.33)
⊕ ∅ .005 AⓈ B

R.010 (0.25)
2 PL

R.007 (0.18)
0.003 (0.08)
2 PL

0.098 (2.49)
0.095 (2.41)

DETAIL A

Table I: O-ring Options	
O-ring Size AS568 2-008	O-ring Material Shore
E	Ethylene-Propylene
K	FFKM (Kalrez)

1. Material / finish:
 - Body: Inconel
 - Pin: Inconel / gold plate .00005 min thick
 - Insulator: vitreous glass
 - O-ring: per table 1
2. Performance tests:
 - Hermeticity: $<1 \times 10^{-8}$ sccHe/sec @ 1 Atm diff
 - D.W.V.: 1000 VDC pin to shell without breakdown

- REV. 07152025