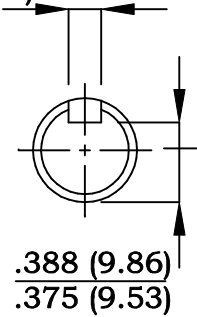
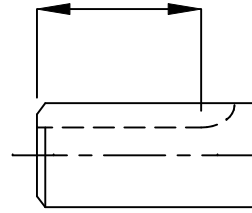


.1875 (4.76)
.1895 (4.81)



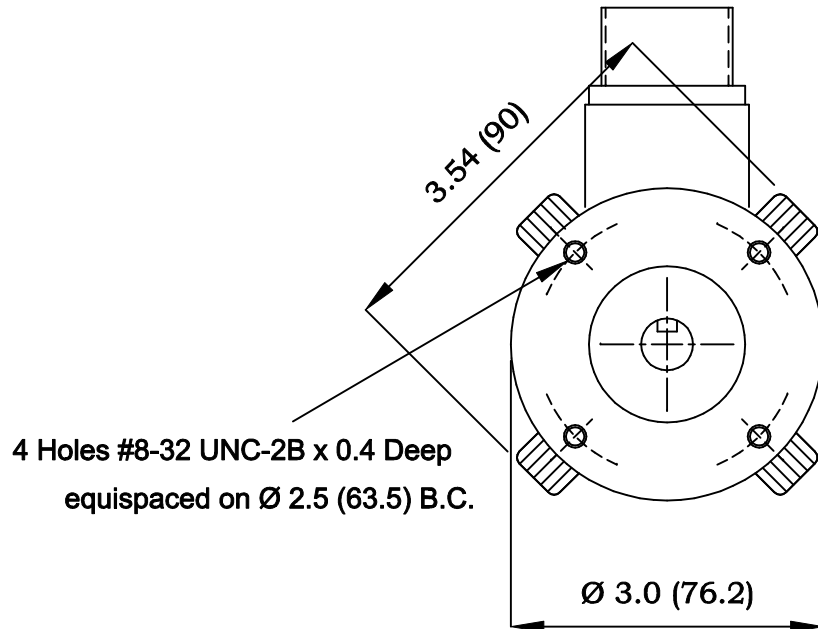
0.5 min (12.7)



Keyway Detail

Motor Part Number	Length "L"
TT 2032-1011	6.26 (159)
TT 2033-1011	6.97 (177)

Motor & Tach
MS3102E-20-29P



4 Holes #8-32 UNC-2B x 0.4 Deep
equispaced on Ø 2.5 (63.5) B.C.

-A-
0.002

Ø .500 (12.70)
.499 (12.67)

1.500 (38.10)
1.497 (38.02)

0.004 A

1.00±.03
(25.4)

0.004 A

"L"

0.12 (3.0)

.12
(3.0)

Notes :-

1. With a positive current applied to Pins G & H with respect to Pins J & K of motor, rotation shall be clockwise facing mounting end of motor.
With this rotation, a positive voltage shall be generated on Pin L with respect to Pin M of tach.
2. Motor can be mounted in any position.
3. All dimensions in inches with mm in ()

					Tolerances. X.XX = ± 0.015 X.XXX = ± 0.005 Ang. Dim. = ± 1°			Scale : NTS			Weight :		
								Material :					
								Remove all burrs and sharp corners					
					Date	Name		Outline - Rare Earth Magnet Servomotor TT 203X-1011					
					Drawn	POB							
2	0268	23/7/08	POB		App'd			TT 203X-1011					
Issue	ECO. No.	Date	Name	App'd	Norm								
Callan Technology Ltd.								TT 203X-1011				Sheet 1	
												of 1	