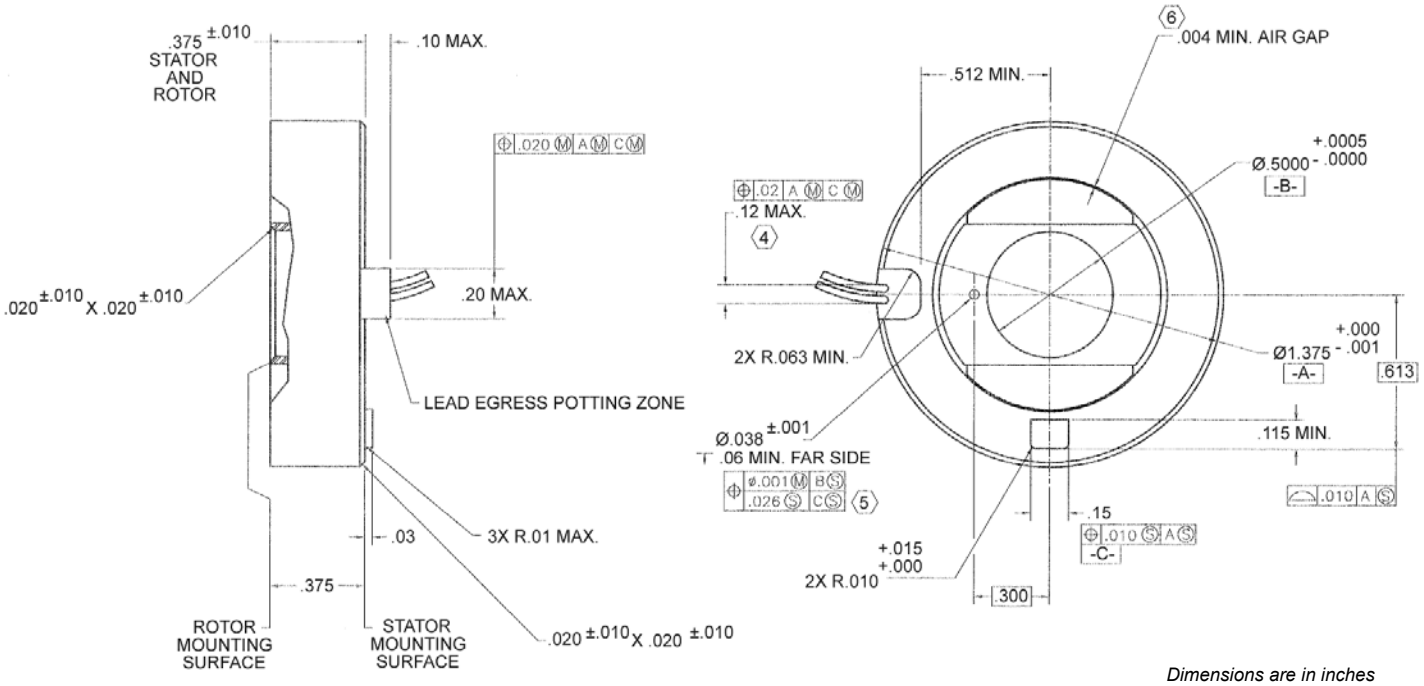
TD-1375-D-1 SPECIFICATIONS @ 25°C

Size Constants	Value	Units
Peak Torque, T_P	5.5	oz-in
Motor Constant, K_M	1.06	oz-in/√W
Excursion Angle	± 35	degrees
Number of Poles	2	
Weight	1.8	oz (nom)
Motor Inertia, J_M	2.10E-04	oz-in-s^2
Friction Torque, T_F	0.06	oz-in
Electrical Time Constant, τ_E	2.500	ms
Mechanical Time Constant, τ_M	23.50	ms
Winding Constants	**Value**	**Units**
Torque Sensitivity, K_T	3.3	oz-in/amp
Back EMF, K_E	0.026	V per rad/s
Terminal Resistance, R_M	9.6	ohms (nom)
Terminal Inductance, L_M	24	mH (nom)
Voltage, Stalled at Peak Torque, V_P	20.2	volts
Amps at Peak Torque, I_P	2	amps

TD-1375-D-1 Typical Outline Drawing



Dimensions are in inches