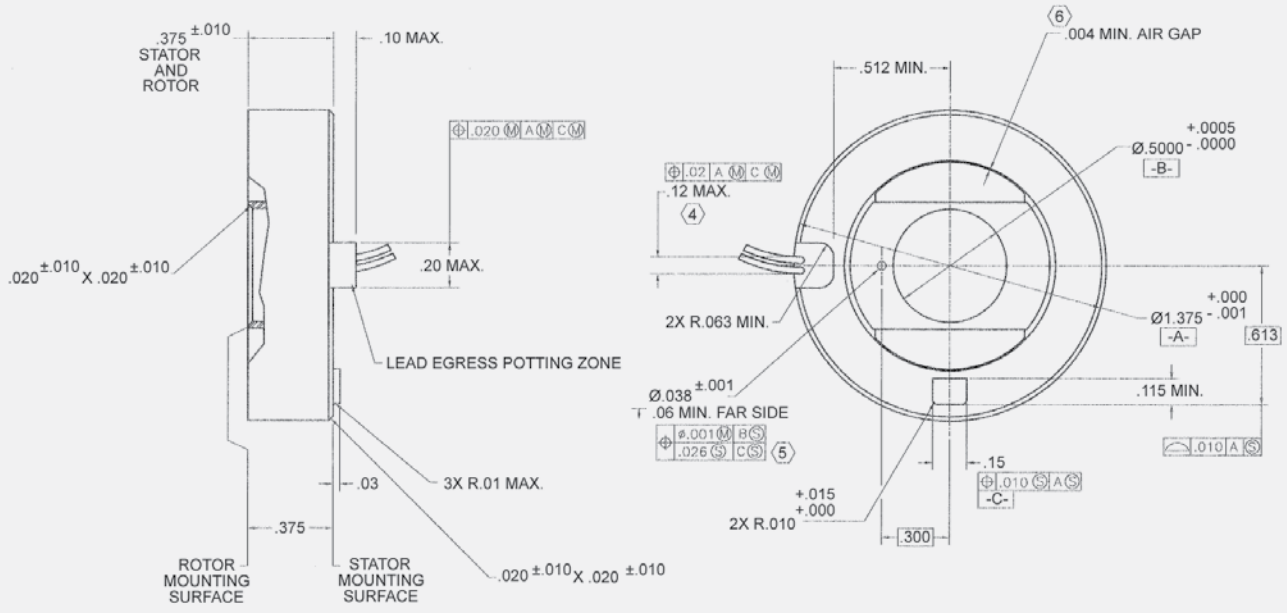
TD-1375-D-1 SPECIFICATIONS

MOTOR CHARACTERISTICS @ 25° C

Specification	Units	Value
Peak Torque, T_P	oz-in	5.5
Motor Constant, K_M	oz-in / √W	1.06
Excursion Angle	degrees	± 35
Number of Poles		2
Weight	oz (nom)	1.8
Motor Inertia, J_M	oz-in-s^2	2.10E-04
Friction Torque, T_F	oz-in	0.06
Electrical Time Constant, T_E	ms	2.500
Mechanical Time Constant, T_M	ms	23.50

MOTOR WINDING CONSTANTS

Specification	Units	Value
Torque Sensitivity, K_T	oz-in/amp	3.3
Back EMF, K_E	V per rad/s	0.026
Terminal Resistance, R_M	ohms (nom)	9.6
Terminal Inductance, L_M	mH (nom)	24
Voltage, Stalled at Peak Torque, V_P	volts	20.2
Amps at Peak Torque, I_P	amps	2

MECHANICAL DIMENSIONS (INCHES)