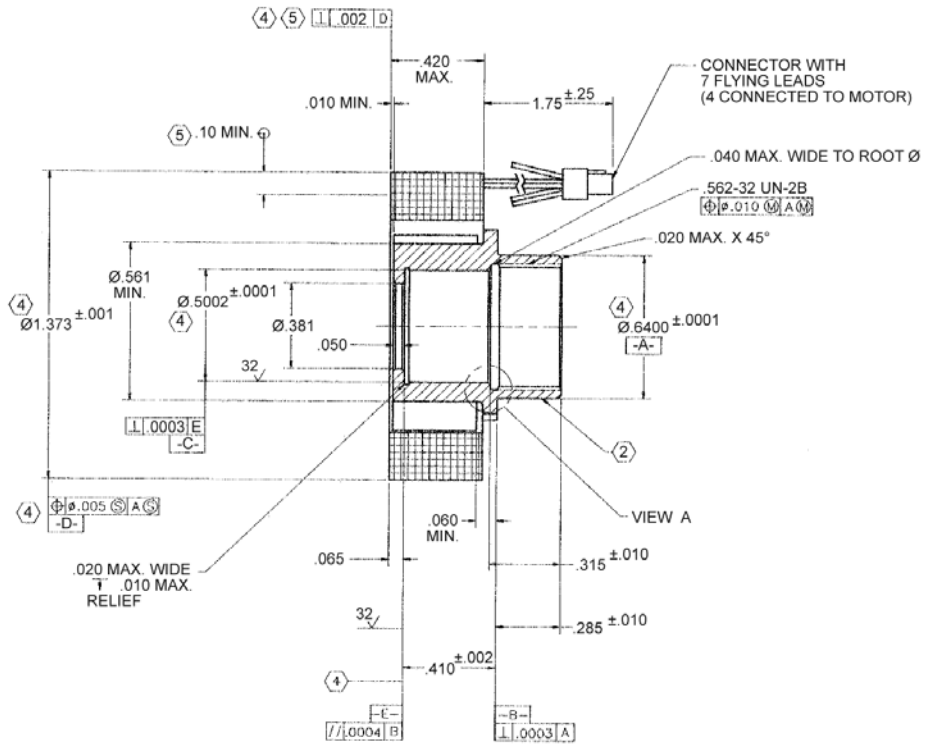
TD-1375-F-1C Specifications

TD-1375-F-1C SPECIFICATIONS @ 25°C

Size Constants	Value	Units
Peak Torque, T_P	16.5	oz-in
Motor Constant, K_M	1.37	oz-in/√W
Excursion Angle	± 28	degrees
Number of Poles	4	
Weight	1.5	oz (nom)
Motor Inertia, J_M	1.80E-04	oz-in-s^2
Friction Torque, T_F	0.08	oz-in
Electrical Time Constant, τ_E	4.5	ms
Mechanical Time Constant, τ_M	13.39	ms
Winding Constants	**Value**	**Units**
Torque Sensitivity, K_T	3.36	oz-in/amp
Back EMF, K_E	0.024	V per rad/s
Terminal Resistance, R_M	6	ohms (nom)
Terminal Inductance, L_M	27	mH (nom)
Voltage, Stalled at Peak Torque, V_P	34	volts
Amps at Peak Torque, I_P	5.6	amps

TD-1375-F-1C Typical Outline Drawing



Dimensions are in inches