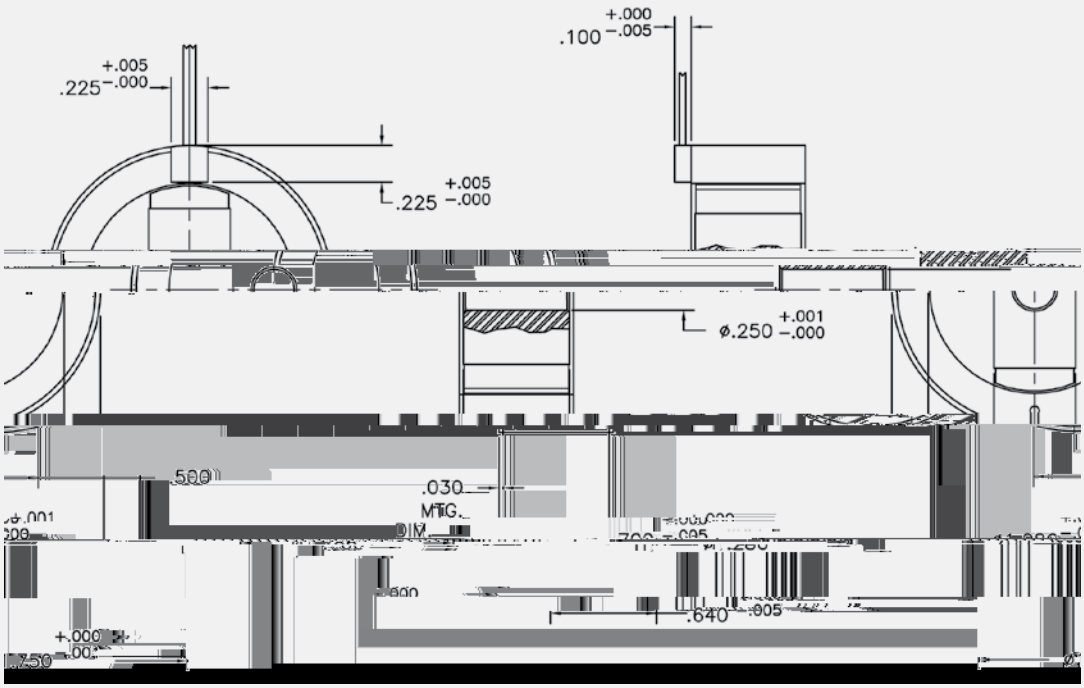
Specification	Units	Value
Peak Torque, T_P	oz-in	7.5
Motor Constant, K_M	oz-in / √W	1.35
Excursion Angle	degrees	± 60
Number of Poles		2
Weight	oz (nom)	5
Motor Inertia, J_M	oz-in-s^2	1.90E-03
Friction Torque, T_F	oz-in	0.3
Electrical Time Constant, T_E	ms	0.529
Mechanical Time Constant, T_M	ms	152

MOTOR WINDING CONSTANTS

Specification	Units	Value
Torque Sensitivity, K_T	oz-in/amp	2.5
Back EMF, K_E	V per rad/s	0.017
Terminal Resistance, R_M	ohms (nom)	3.4
Terminal Inductance, L_M	mH (nom)	1.8
Voltage, Stalled at Peak Torque, V_P	volts	9
Amps at Peak Torque, I_P	amps	2.5

MECH ° C