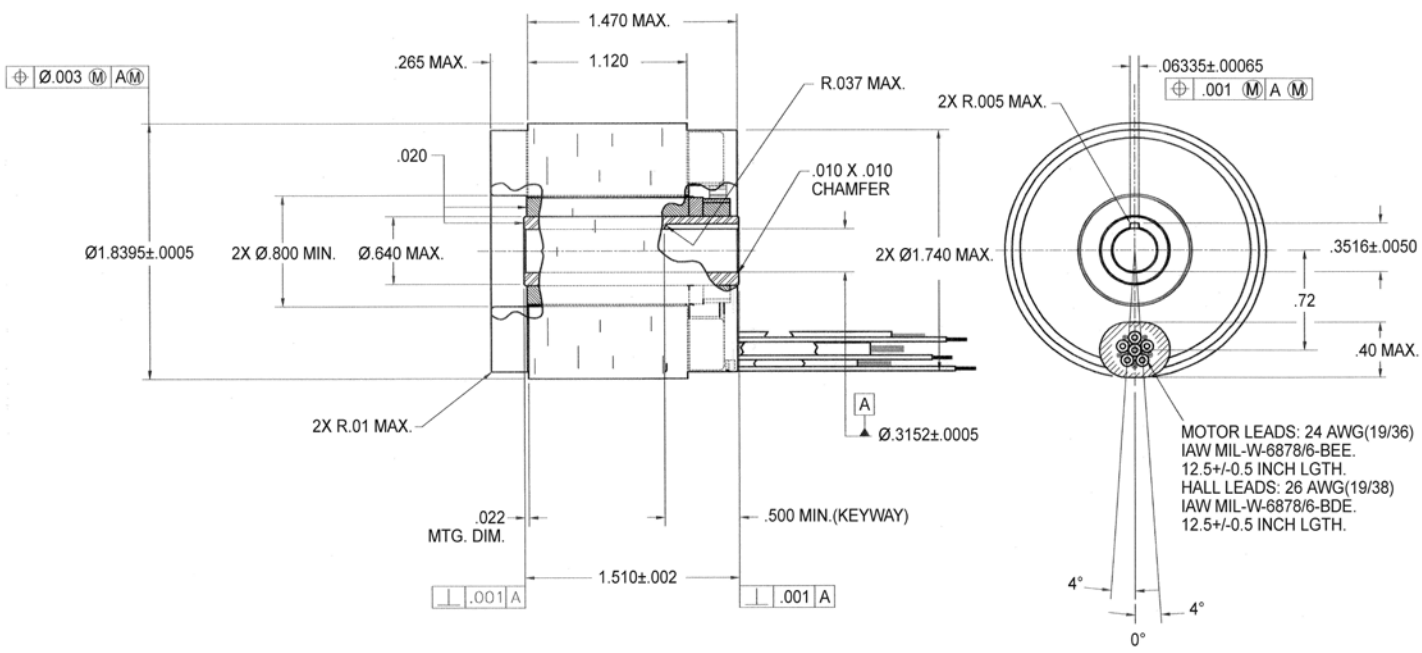
DB-1840-C-1S / K057 SPECIFICATIONS @ 25°C

Size Constants	Value	Units
Peak Torque, T_P	243.9	oz-in
Motor Constant, K_M	11.85	oz-in/√W
Number of Poles	6	
Number of Phases	3"Y"	
Weight	14	oz (nom)
Motor Inertia, J_M	4.80E-04	oz-in-s^2
Friction Torque, T_F	1.8	oz-in
Electrical Time Constant, τ_E	0.884	ms
Mechanical Time Constant, τ_M	0.48	ms
Temperature Rise, Housed TPR'	2	°C/W
Integral Feedback Device	Halls	
Winding Constants	**Value**	**Units**
Torque Sensitivity, K_T	7.77	oz-in/amp
Back EMF, K_E	0.055	V per rad/s
Terminal Resistance, R_M	0.43	ohms (nom)
Terminal Inductance, L_M	0.38	mH (nom)
Voltage, Stalled at Peak Torque, V_P	13.5	volts
Amps at Peak Torque, I_P	31.4	amps

DB-1840-C-1S / K057 Typical Outline Drawing



Dimensions are in inches