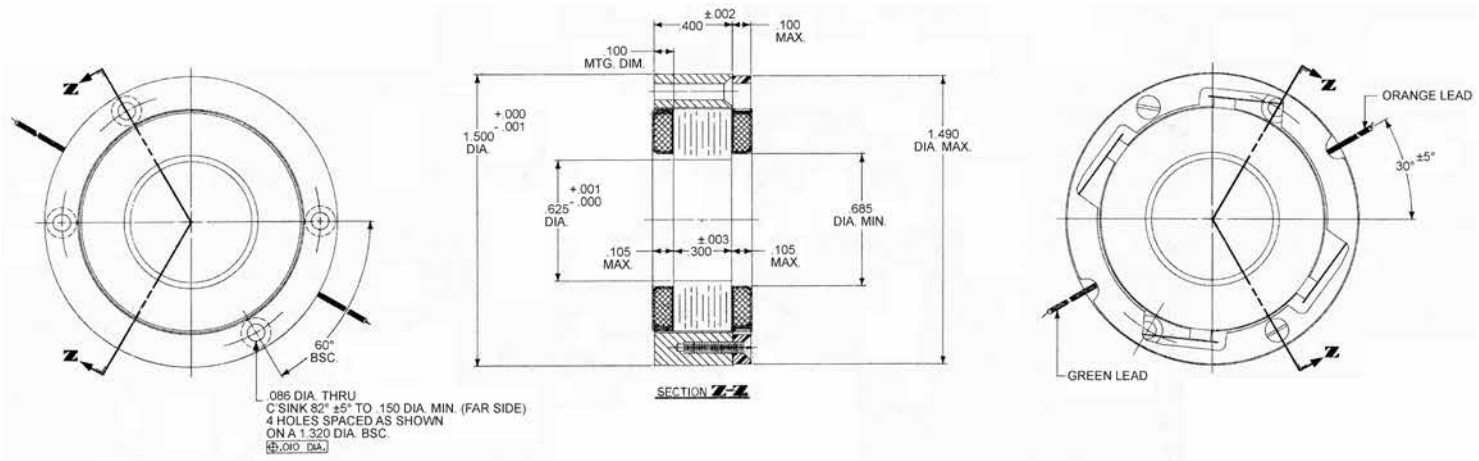
D-1500-E-6 / K012 SPECIFICATIONS @ 25°C

Size Constants	Value	Units
Peak Torque, T_P	15	oz-in
Motor Constant, K_M	2.01	oz-in/√W
Number of Poles	6	
Weight	2.4	oz (nom)
Motor Inertia, J_M	5.50E-04	oz-in-s^2
Friction Torque, T_F	0.50	oz-in
Electrical Time Constant, τ_E	0.304	ms
Mechanical Time Constant, τ_M	19.38	ms
Temperature Rise, Housed TPR'	19	° C/W
Ripple Torque, T_R	7	max. avg. to peak (%)
Winding Constants	**Value**	**Units**
Torque Sensitivity, K_T	6.80	oz-in/amp
Back EMF, K_E	0.048	V per rad/s
Terminal Resistance, R_M	11.5	ohms (nom)
Terminal Inductance, L_M	3.5	mH (nom)
Voltage, Stalled at Peak Torque, V_P	25.4	volts
Amps at Peak Torque, I_P	2.21	amps

D-1500-E-6 / K012 Typical Outline Drawing



Dimensions are in inches