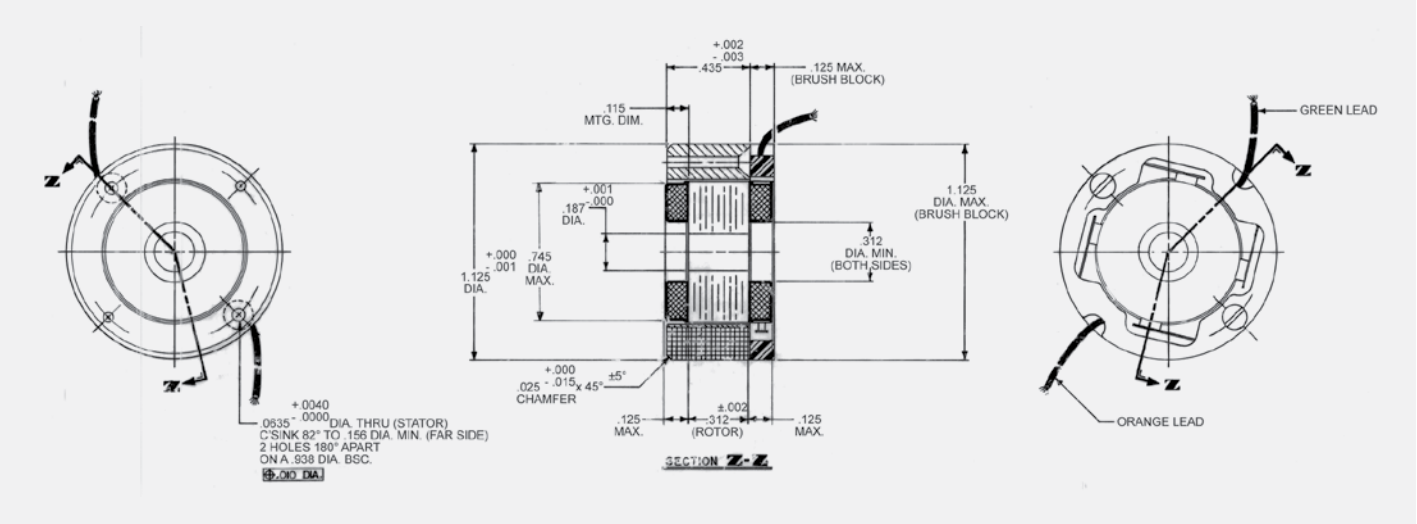
D-1125-A-4 SPECIFICATIONS

MOTOR CHARACTERISTICS @ 25° C

Specification	Units	Value
Peak Torque, T_P	oz-in	6.6
Motor Constant, K_M	oz-in / √W	0.929
Number of Poles		4
Weight	oz (nom)	1.8
Motor Inertia, J_M	oz-in-s^2	1.50E-04
Friction Torque, T_F	oz-in	0.20
Electrical Time Constant, T_E	ms	0.246
Mechanical Time Constant, T_M	ms	25.00
Temperature Rise, TPR'	°C / W	34
Ripple Torque, T_R	max. avg. to peak (%)	7

MOTOR WINDING CONSTANTS

Specification	Units	Value
Torque Sensitivity, K_T	oz-in / amp	3.45
Back EMF, K_E	V per rad/s	0.024
Terminal Resistance, R_M	ohms (nom)	13.8
Terminal Inductance, L_M	mH (nom)	3.4
Voltage, Stalled at Peak Torque, V_P	volts	26.4
Amps at Peak Torque, I_P	amps	1.91

MECHANICAL DIMENSIONS (INCHES)