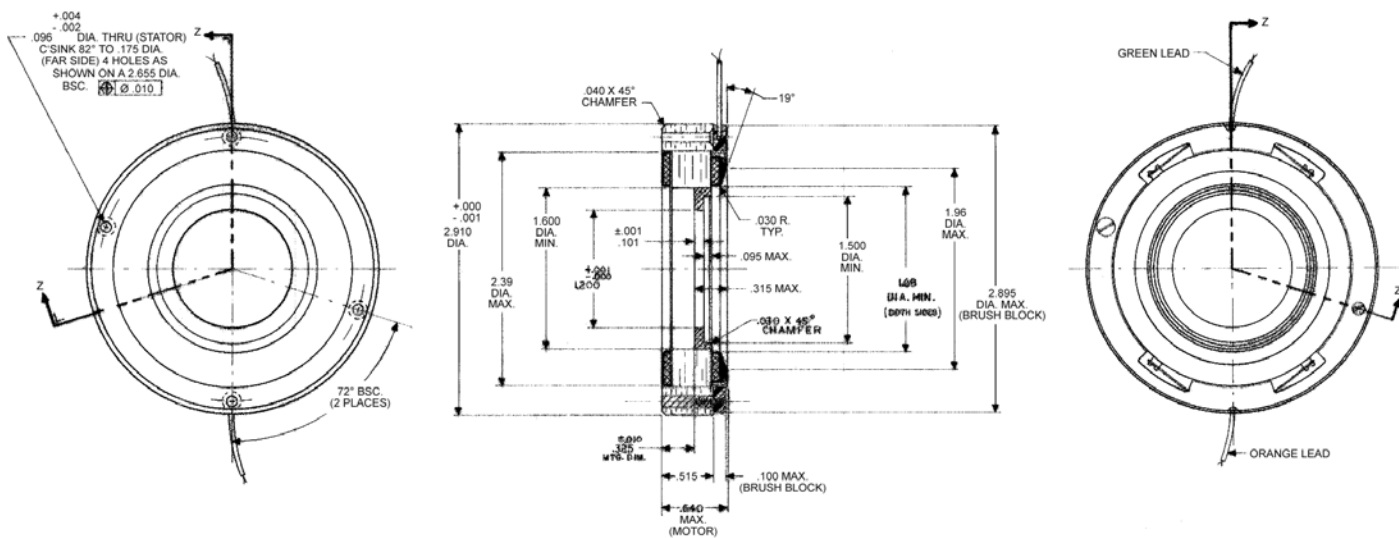


Brush Motors

D-2910-G-1ENS SPECIFICATIONS @ 25°C

Size Constants	Value	Units
Peak Torque, T_p	59	oz-in
Motor Constant, K_M	9.66	oz-in/ \sqrt{W}
Number of Poles	10	
Weight	9.5	oz (nom)
Motor Inertia, J_M	1.25E-02	oz-in-s ²
Friction Torque, T_F	1.2	oz-in
Electrical Time Constant, τ_E	0.333	ms
Mechanical Time Constant, τ_M	18.92	ms
Temperature Rise, Housed TPR'	7.5	° C/W
Ripple Torque, T_R	5	max. avg. to peak (%)
Winding Constants	Value	Units
Torque Sensitivity, K_T	41	oz-in/amp
Back EMF, K_E	0.29	V per rad/s
Terminal Resistance, R_M	18	ohms (nom)
Terminal Inductance, L_M	6	mH (nom)
Voltage, Stalled at Peak Torque, V_p	26.1	volts
Amps at Peak Torque, I_p	1.45	amps

D-2910-G-1ENS Typical Outline Drawing



Dimensions are in inches