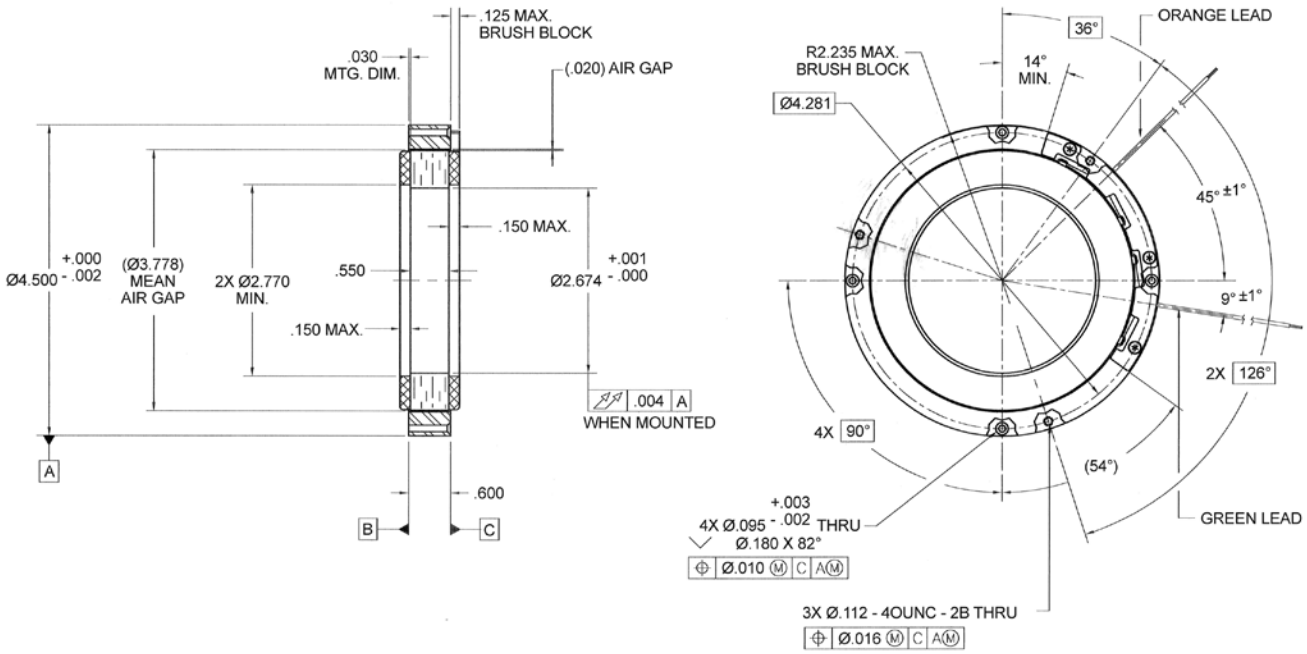
D-4500-B-1AS SPECIFICATIONS @ 25°C

Size Constants	Value	Units
Peak Torque, T_P	305	oz-in
Motor Constant, K_M	50	oz-in/√W
Number of Poles	20	
Weight	26	oz (nom)
Motor Inertia, J_M	8.50E-02	oz-in-s^2
Friction Torque, T_F	5	oz-in
Electrical Time Constant, τ_E	0.353	ms
Mechanical Time Constant, τ_M	4.83	ms
Temperature Rise, Housed TPR'	2.4	° C/W
Ripple Torque, T_R	5	max. avg. to peak (%)
Winding Constants	**Value**	**Units**
Torque Sensitivity, K_T	92	oz-in/amp
Back EMF, K_E	0.650	V per rad/s
Terminal Resistance, R_M	3.4	ohms (nom)
Terminal Inductance, L_M	1.2	mH (nom)
Voltage, Stalled at Peak Torque, V_P	11.2	volts
Amps at Peak Torque, I_P	3.31	amps

D-4500-B-1AS Typical Outline Drawing



Dimensions are in inches