

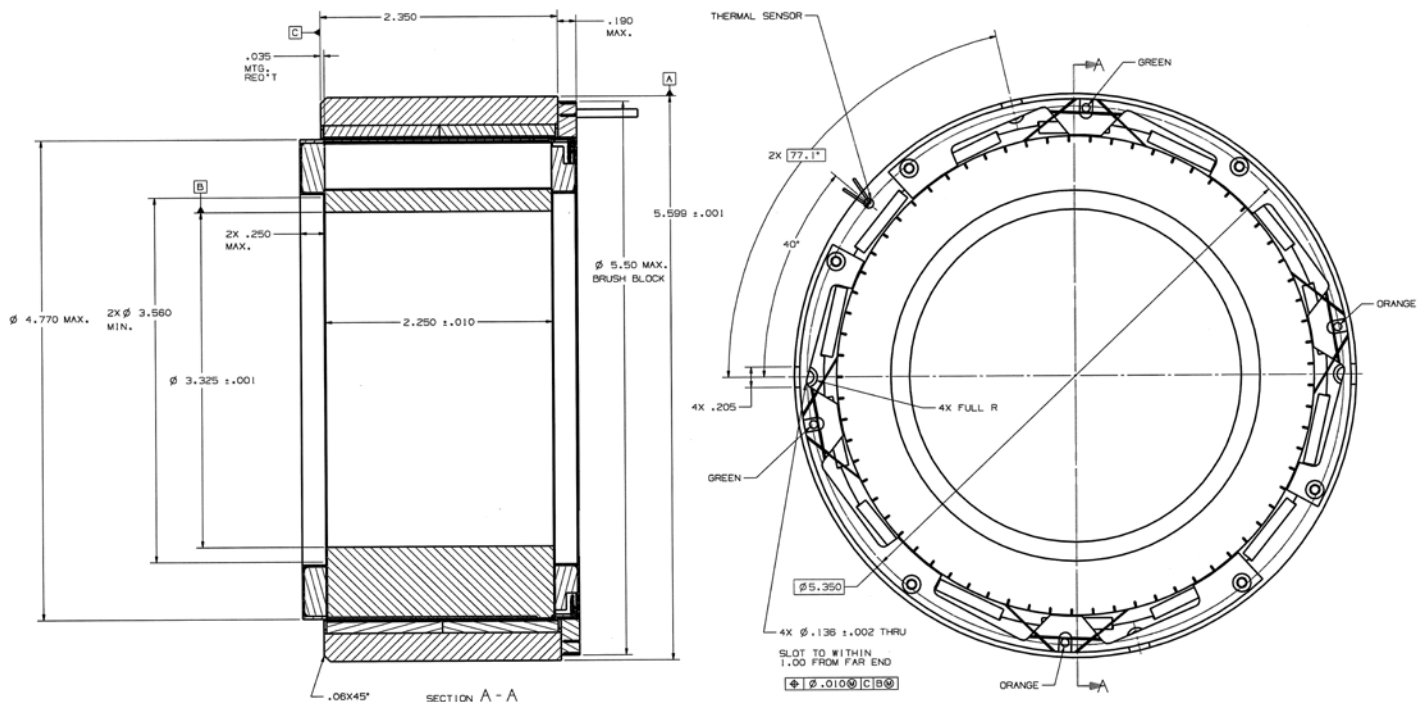
D-5600-A-1ES Specifications

D-5600-A-1ES SPECIFICATIONS @ 25°C

Size Constants	Value	Units
Peak Torque, T_P	15	oz-in
Motor Constant, K_M	0.731	oz-in/ \sqrt{W}
Number of Poles	14	
Weight	9.0	oz (nom)
Motor Inertia, J_M	4.40×10^{-3}	oz-in-s ²
Friction Torque, T_F	0.50	oz-in
Electrical Time Constant, τ_E	1.6	ms
Mechanical Time Constant, τ_M	6.1	ms
Temperature Rise, Housed TPR'	1.2	°C/W
Ripple Torque, T_R	6	max. avg. to peak (%)
Winding Constants	Value	Units
Torque Sensitivity, K_T	1.15	oz-in/amp
Back EMF, K_E	1.56	V per rad/s
Terminal Resistance, R_M	2.49	ohms (nom)
Terminal Inductance, L_M	4.1	mH (nom)
Voltage, Stalled at Peak Torque, V_P	32.4	volts
Amps at Peak Torque, I_P	13.0	amps

Brush Motors

D-5600-A-1ES Typical Outline Drawing



Dimensions are in inches