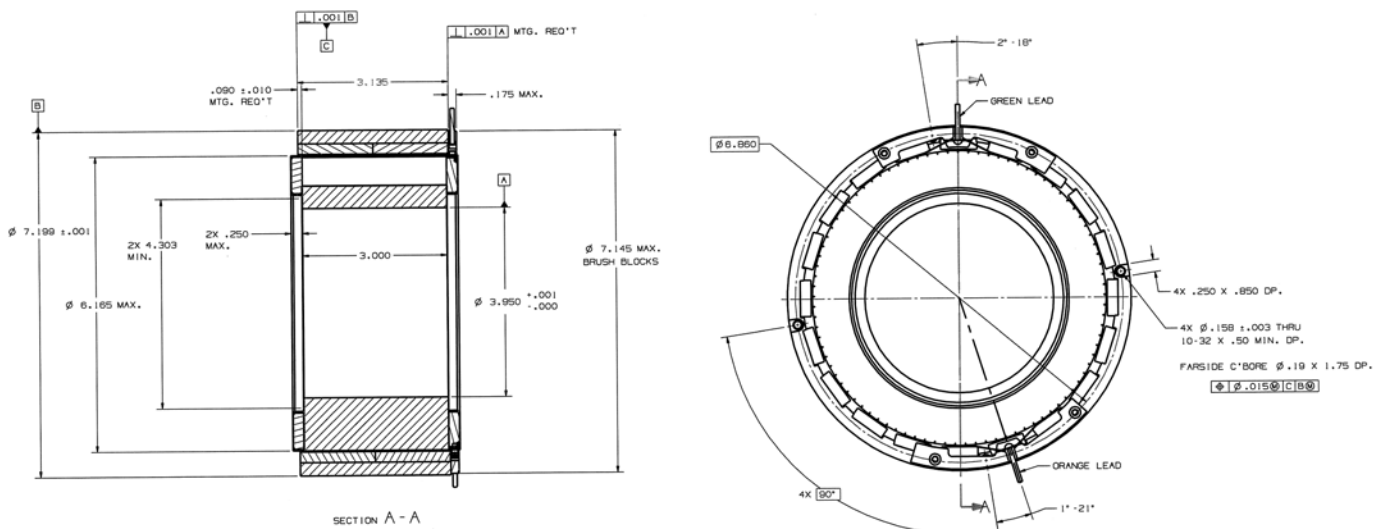


D-7200-B-1ES Specifications

D-7200-B-1ES SPECIFICATIONS @ 25°C

Size Constants	Value	Units
Peak Torque, T_P	42.3	lb-ft
Motor Constant, K_M	1.73	lb-ft/ \sqrt{W}
Number of Poles	20	
Weight	24	lbs (max)
Motor Inertia, J_M	2.33×10^{-2}	lb-ft-s ²
Friction Torque, T_F	0.60	lb-ft
Electrical Time Constant, τ_E	2.5	ms
Mechanical Time Constant, τ_M	5.76	ms
Temperature Rise, Housed TPR'	0.78	°C/W
Ripple Torque, T_R	4	max. avg. to peak (%)
Winding Constants	Value	Units
Torque Sensitivity, K_T	3.18	lb-ft/amp
Back EMF, K_E	4.31	V per rad/s
Terminal Resistance, R_M	3.39	ohms (nom)
Terminal Inductance, L_M	8.6	mH (nom)
Voltage, Stalled at Peak Torque, V_P	45.0	volts
Amps at Peak Torque, I_P	13.3	amps

D-7200-B-1ES Typical Outline Drawing



Dimensions are in inches