

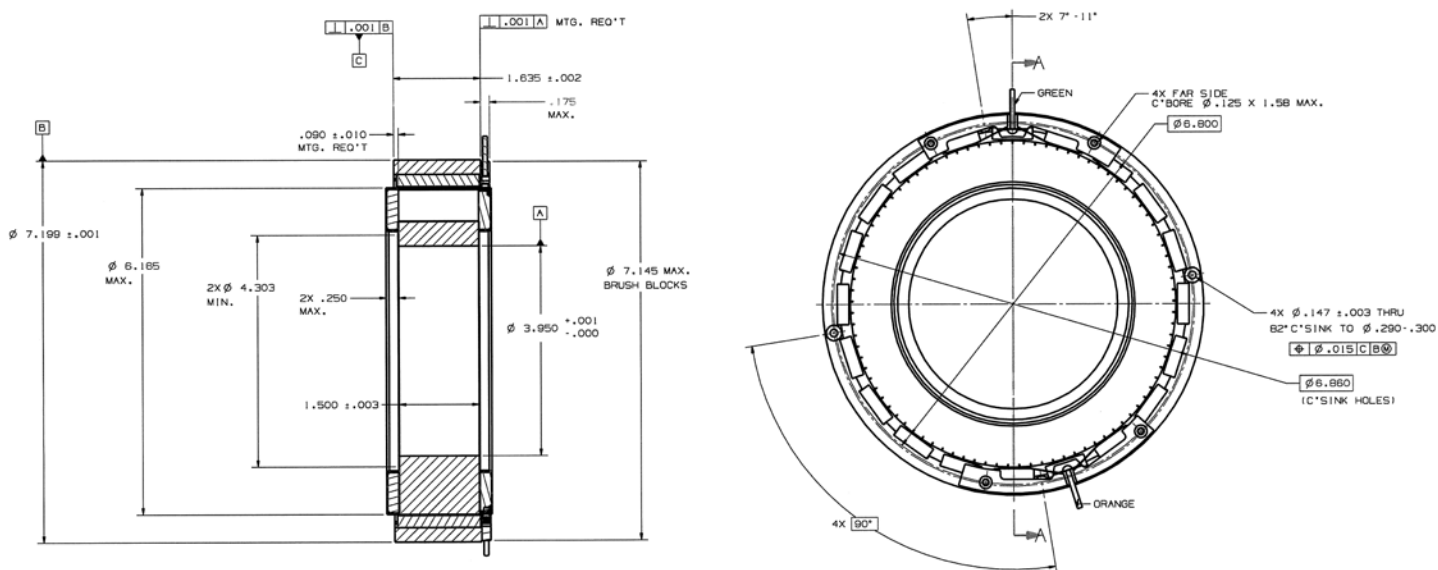
D-7200-A-1ES Specifications

D-7200-A-1ES SPECIFICATIONS @ 25°C

Size Constants	Value	Units
Peak Torque, T_P	27.6	oz-in
Motor Constant, K_M	1.10	oz-in/ \sqrt{W}
Number of Poles	20	
Weight	12	lb
Motor Inertia, J_M	1.18×10^{-2}	oz-in-s ²
Friction Torque, T_F	0.35	oz-in
Electrical Time Constant, τ_E	2.1	ms
Mechanical Time Constant, τ_M	7.19	ms
Temperature Rise, Housed TPR ¹	1.15	°C/W
Ripple Torque, T_R	4	max. avg. to peak (%)
Winding Constants	Value	Units
Torque Sensitivity, K_T	2.65	oz-in/amp
Back EMF, K_E	3.59	V per rad/s
Terminal Resistance, R_M	5.80	ohms (nom)
Terminal Inductance, L_M	12	mH (nom)
Voltage, Stalled at Peak Torque, V_P	60.3	volts
Amps at Peak Torque, I_P	10.4	amps

Brush Motors

D-7200-A-1ES Typical Outline Drawing



Dimensions are in inches