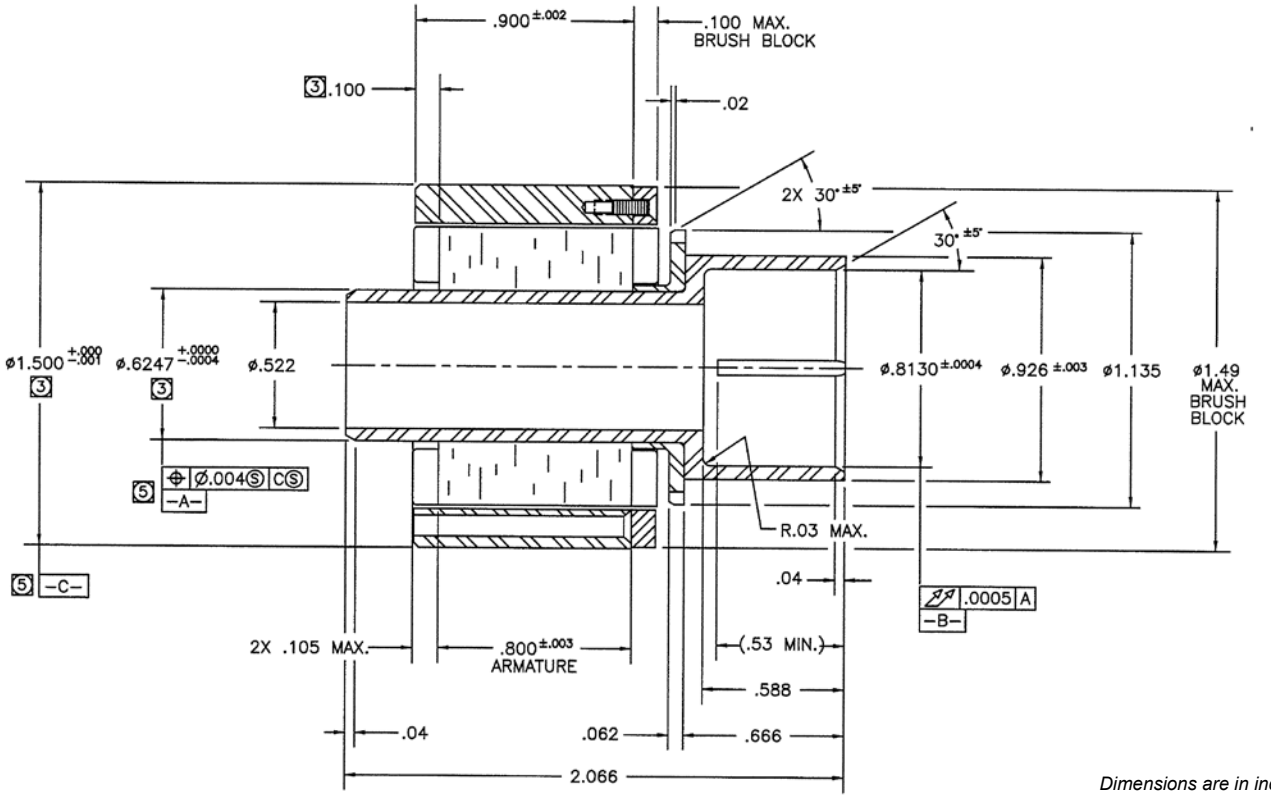
D-1500-Y-1 SPECIFICATIONS @ 25°C

Size Constants	Value	Units
Peak Torque, T_P	18.2	oz-in
Motor Constant, K_M	3.0	oz-in/√W
Number of Poles	6	
Weight	6.4	oz (nom)
Motor Inertia, J_M	0.0014	oz-in-s^2
Friction Torque, T_F	0.95	oz-in
Electrical Time Constant, τ_E	0.45	ms
Mechanical Time Constant, τ_M	22.0	ms
Temperature Rise, Housed TPR'	12	°C/W
Ripple Torque T_R	10	max. avg. to peak (%)
Winding Constants	**Value**	**Units**
Torque Sensitivity, K_T	13.8	oz-in/amp
Back EMF, K_E	0.98	V per rad/s
Terminal Resistance, R_M	20.69	ohms (nom)
Terminal Inductance, L_M	8.15	mH (nom)
Voltage, Stalled at Peak Torque, V_P	28.0	volts
Amps at Peak Torque, I_P	1.3	amps

D-1500-Y-1 Typical Outline Drawing



Dimensions are in inches