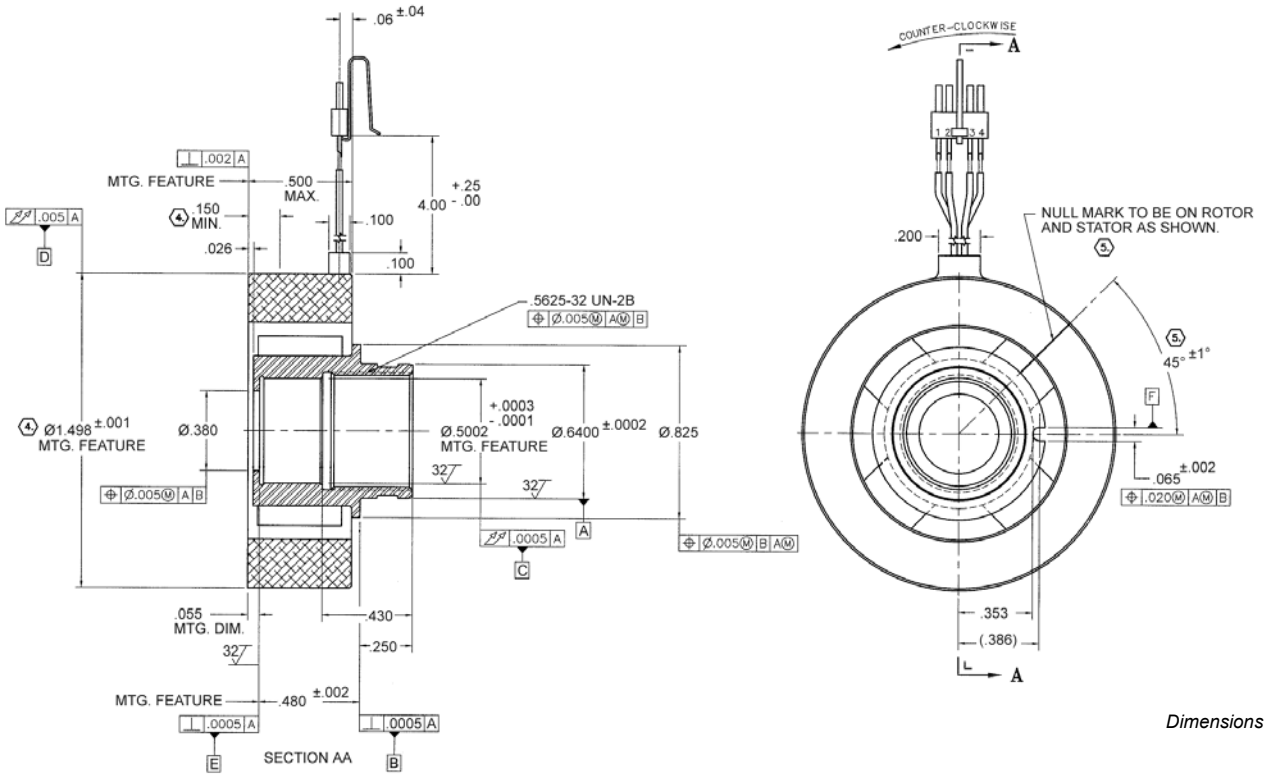
TD-1500-H-1SC SPECIFICATIONS @ 25°C

Size Constants	Value	Units
Peak Torque, T_P	22	oz-in
Motor Constant, K_M	2.4	oz-in/√W
Excursion Angle	± 35	degrees
Number of Poles	4	
Weight	2.5	oz (nom)
Motor Inertia, J_M	1.55E-04	oz-in-s^2
Friction Torque, T_F	0.35	oz-in
Electrical Time Constant, τ_E	0.348	ms
Mechanical Time Constant, τ_M	3.81	ms
Winding Constants	**Value**	**Units**
Torque Sensitivity, K_T	5.75	oz-in/amp
Back EMF, K_E	0.0406	V per rad/s
Terminal Resistance, R_M	5.75	ohms (nom)
Terminal Inductance, L_M	2	mH (nom)
Voltage, Stalled at Peak Torque, V_P	27	volts
Amps at Peak Torque, I_P	4.25	amps

TD-1500-H-1SC Typical Outline Drawing



Dimensions are in inches