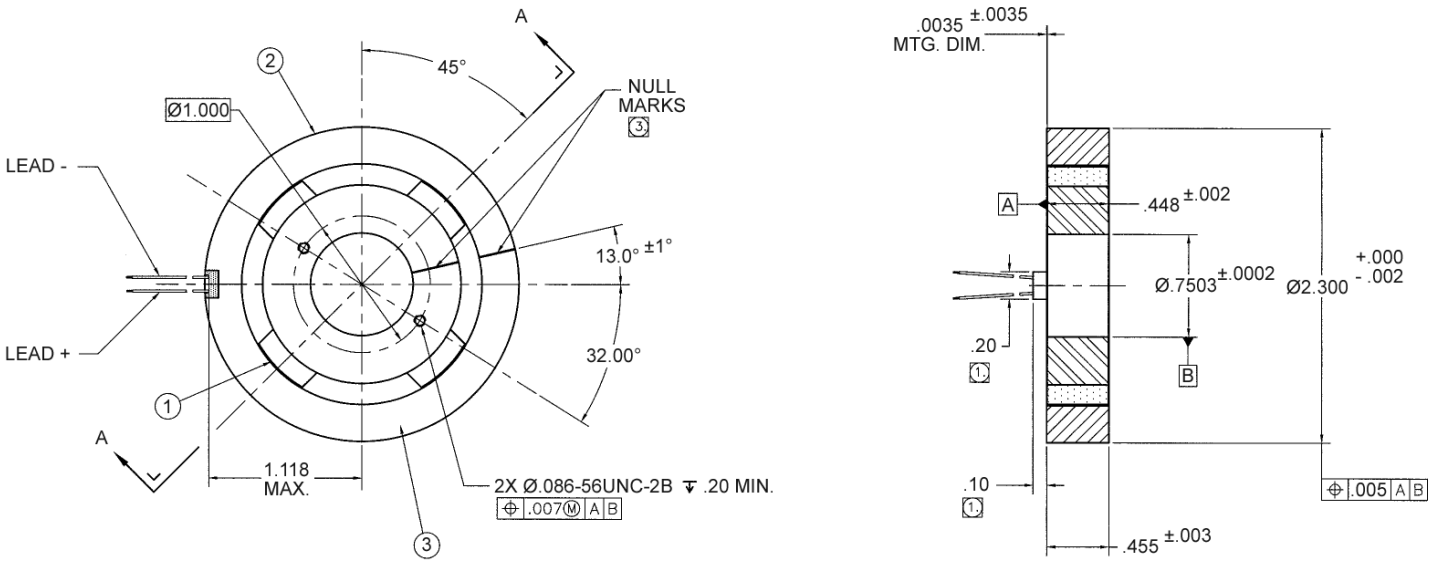
TD-2300-A-1S SPECIFICATIONS @ 25°C

Size Constants	Value	Units
Peak Torque, T_P	10.5	oz-in
Motor Constant, K_M	3.2	oz-in/√W
Excursion Angle	± 23	degrees
Number of Poles	4	
Weight	7	oz (nom)
Motor Inertia, J_M	3.80E-03	oz-in-s^2
Friction Torque, T_F	0.35	oz-in
Electrical Time Constant, τ_E	0.357	ms
Mechanical Time Constant, τ_M	52.16	ms
Winding Constants	**Value**	**Units**
Torque Sensitivity, K_T	12	oz-in/amp
Back EMF, K_E	0.085	V per rad/s
Terminal Resistance, R_M	14	ohms (nom)
Terminal Inductance, L_M	5	mH (nom)
Voltage, Stalled at Peak Torque, V_P	14	volts
Amps at Peak Torque, I_P	1	amps

TD-2300-A-1S Typical Outline Drawing



Dimensions are in inches