

TD-3300-K-1SC SPECIFICATIONS

MOTOR CHARACTERISTICS @ 25° C

Specification	Units	Value
Peak Torque, T_p	oz-in	65
Motor Constant, K_M	oz-in / W	13.34
Excursion Angle	degrees	± 22.5
Number of Poles		4
Weight	oz (nom)	23.2
Motor Inertia, J_M	oz-in-s ²	3.10E-02
Friction Torque, T_F	oz-in	1
Electrical Time Constant, T_E	ms	TBD
Mechanical Time Constant, T_M	ms	24.62

MOTOR WINDING CONSTANTS

Specification	Units	Value
Torque Sensitivity, K_T	oz-in/amp	26
Back EMF, K_E	V per rad/s	0.184
Terminal Resistance, R_M	ohms (nom)	3.8
Terminal Inductance, L_M	mH (nom)	TBD
Voltage, Stalled at Peak Torque, V_p	volts	12
Amps at Peak Torque, I_p	amps	3.16

MECHANICAL DIMENSIONS (INCHES)