

TD-3300-J-1SC SPECIFICATIONS

MOTOR CHARACTERISTICS @ 25° C

Specification	Units	Value
Peak Torque, T_P	oz-in	25
Motor Constant, K_M	oz-in / \sqrt{W}	6.82
Excursion Angle	degrees	± 22.5
Number of Poles		4
Weight	oz (nom)	11
Motor Inertia, J_M	oz-in-s ²	1.49E-02
Friction Torque, T_F	oz-in	1
Electrical Time Constant, T_E	ms	1.144
Mechanical Time Constant, T_M	ms	45.15

MOTOR WINDING CONSTANTS

Specification	Units	Value
Torque Sensitivity, K_T	oz-in/amp	22
Back EMF, K_E	V per rad/s	0.156
Terminal Resistance, R_M	ohms (nom)	10.4
Terminal Inductance, L_M	mH (nom)	11.9
Voltage, Stalled at Peak Torque, V_P	volts	24
Amps at Peak Torque, I_P	amps	1.14

MECHANICAL DIMENSIONS (INCHES)

