

SPECIFICATIONS

MOTOR CHARACTERISTICS @ 25C

Speci cation	Units	Value
Peak Torque, T	oz-in	59
Motor Constant, K	oz-in / W	9.66
Number of Poles		10
Weight	oz (nom)	9.5
Motor Inertia, J	oz-in- δ^2	1.25E-02
Friction Torque, T	oz-in	1.2
Electrical Time Constant, T	ms	0.333
Mechanical Time Constant, T	ms	18.92
Temperature Rise, TPR'	$^{\circ}\text{C} / \text{W}$	7.5
Ripple Torque, T	max. avg. to peak (%)	5

MOTOR WINDING CONSTANTS

Speci cation	Units	Value
Torque Sensitivity, K	oz-in / amp	41
Back EMF, K	V per rad/s	0.29
Terminal Resistance, R	ohms (nom)	18
Terminal Inductance, KTj T/j 156 e,oh58Ea6 0 18 R		

MECHANICAL DIMENSIONS (INCHES)