

### MOTOR CHARACTERISTICS @ 25C

Specification	Units	Value
Peak Torque, T	oz-in	37
Motor Constant, K	oz-in / W	7.85
Number of Poles		10
Weight	oz (nom)	6.5
Motor Inertia, J	oz-in- $\delta^2$	1.24E-02
Friction Torque, T	oz-in	1
Electrical Time Constant, T	ms	0.50
Mechanical Time Constant, T	ms	28.46
Temperature Rise, TPR'	$^{\circ}\text{C} / \text{W}$	8.0
Ripple Torque, T	max. avg. to peak (%)	5

### MOTOR WINDING CONSTANTS

Specification	Units	Value
Torque Sensitivity, K	oz-in / amp	43
Back EMF, K	V per rad/s	0.304
Terminal Resistance, R	ohms (nom)	

### MECHANICAL DIMENSIONS (INCHES)