

D-2910-B-1ENS SPECIFICATIONS

MOTOR CHARACTERISTICS @ 25° C

Specification	Units	Value
Peak Torque, T_P	oz-in	165
Motor Constant, K_M	oz-in / \sqrt{W}	10.2
Number of Poles		10
Weight	oz (nom)	9.5
Motor Inertia, J_M	oz-in-s ²	1.25E-02
Friction Torque, T_F	oz-in	3
Electrical Time Constant, T_E	ms	0.319
Mechanical Time Constant, T_M	ms	16.84
Temperature Rise, TPR ¹	°C / W	7.5
Ripple Torque, T_R	max. avg. to peak (%)	7

MOTOR WINDING CONSTANTS

Specification	Units	Value
Torque Sensitivity, K_T	oz-in / amp	16.5
Back EMF, K_E	V per rad/s	0.117
Terminal Resistance, R_M	ohms (nom)	2.6
Terminal Inductance, L_M	mH (nom)	0.83
Voltage, Stalled at Peak Torque, V_P	volts	26
Amps at Peak Torque, I_P	amps	10

MECHANICAL DIMENSIONS (INCHES)

