

D-4610-B-1AS SPECIFICATIONS

MOTOR CHARACTERISTICS @ 25° C

Specification	Units	Value
Peak Torque, T_p	oz-in	260.6
Motor Constant, K_M	oz-in / \sqrt{W}	21.02
Number of Poles		16
Weight	oz (nom)	13
Motor Inertia, J_M	oz-in-s ²	5.958E+00
Friction Torque, T_F	oz-in	8.00
Electrical Time Constant, T_E	ms	0.326
Mechanical Time Constant, T_M	ms	19.09
Temperature Rise, TPR'	°C / W	4.73
Ripple Torque, T_R	max. avg. to peak (%)	7

MOTOR WINDING CONSTANTS

Specification	Units	Value
Torque Sensitivity, K_T	oz-in / amp	63.411
Back EMF, K_E	V per rad/s	0.448
Terminal Resistance, R_M	ohms (nom)	9.10
Terminal Inductance, L_M	mH (nom)	2.96
Voltage, Stalled at Peak Torque, V_p	volts	37.4
Amps at Peak Torque, I_p	amps	260.619

MECHANICAL DIMENSIONS (INCHES)

