

DB-1500-G-4 SPECIFICATIONS

MOTOR CHARACTERISTICS @ 25° C

Specification	Units	Value
Peak Torque, T_p	oz-in	53
Motor Constant, K_M	oz-in / W	6.27
Number of Poles		8
Number of Phases		3-Y"
Weight	oz (nom)	7
Motor Inertia, J_M	oz-in-s ²	4.53E-03
Friction Torque, T_F	oz-in	1
Electrical Time Constant, T_E	ms	0.47
Mechanical Time Constant, T_M	ms	16.31
Temperature Rise, TPR	°C / W	9.8
Integral Feedback Device		None

MOTOR WINDING CONSTANTS

Specification	Units	Value
**Torque Sensitivity, K_T	oz-in/amp ± 10%	11.9
Back EMF, K_E	V per rad/s ± 10%	0.084
Terminal Resistance, R_M	ohms ± 10%	3.6

MECHANICAL DIMENSIONS (INCHES)