SHOWN IN EXTENDED SHAFT POSITION

INTERMITTENT FORCE Ø10% DUTY CYCLE 814.5 N N 183.1 LB
CONTINUOUS FORCE 257.7 N 58.0 LB
FORCE CONSTANT 51.6 N/A 11.6 LB/A
BACK EMF CONSTANT 51.6 V/M/S 1.31 V/IN/S
STROKE 25.4 mm 1.00 IN
COIL CLEARANCE PER SIDE 0.64 mm 0.025 IN
COIL ASSY MASS 710 GR 1.57 LB
BODY MASS 4.1 KG 9.1 LB
COIL RESISTANCE 3.0 Ohms
COIL INDUCTANCE Ø 1000 Hz 1.9 mH
MAX CONTINUOUS POWER 75 W
MAX TOTAL SHAFT SIDE LOAD 13.5 N 3 LB
LINEAR BEARING TYPE PLAIN BUSHING

2—FOR PROPER HEAT DISSIPATION, THE MOTOR SHOULD BE MOUNTED ON A METALLIC BODY WITH ADEQUATE SURFACE AREA IN AN UNRESTRICTED FLOW OF AIR.

1—ALL VALUES AT 25°C NOTES:
UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES [mm]

TOLERANCES ON:
DECIMALS 0.005
FRACTIONS ANGLES ±1/125 ±1/2
±.005±.01 UNLESS OTHERWISE SPECIFIED

M3X0.5 THD X0.24 [6.0] DP
10-32 UNF-2B X 0.38 [9.5] DP (4)

CONTINUOUS FORCE

STROKE (mm)

FORCE (N)

FORCE (LB)

STROKE (IN)

1.000 [25.4]
0.500 [12.7]
0.250 [6.4]

MOTION

LINEAR VOICE COIL MOTOR

200-95-089-02506 1

CONTRACT

FINISH

APPVDO

APPVDO