SHOWN IN FORWARD EXTENDED SHAFT POSITION

5-32 UNC-2B X 0.40 [10.1] MIN DP BOTH SIDES
10-32 UNF-2B X 0.40 [10.1] MIN DP (2) BOTH SIDES

1.000 [25.4]
0.500 [12.7]
2.000 [50.8]

INTERMITTENT FORCE @10% DUTY CYCLE 70.2 N 15.8 LB
CONTINUOUS FORCE 22.2 N 5.0 LB
FORCE CONSTANT 10.8 N/A 2.42 LB/A
BACK EMF CONSTANT 10.8 V/M/S 0.273 V/N/S
STROKE 25.4 mm 1.000 IN
MOVING MASS 204 GR 0.45 Lb
TOTAL MASS 926 GR 2.04 Lb
COIL RESISTANCE 4.7 Ohms
COIL INDUCTANCE @ 1000 Hz 4.9 mH
MAX CONTINUOUS POWER 20.0 W
MAX TOTAL SHAFT SIDE LOAD 24.0 N 5.4 Lb
LINEAR BEARING TYPE PLAIN BUSHING

FORCE (LB) 0.0 4.0 8.0 12.0 16.0 20.0 24.0
STROKE (IN) 0.00 0.20 0.40 0.60 0.80 1.00

CONTINUOUS FORCE

FORCE (N) 2.0 3.0 4.0 5.0
STROKE (mm) 0.00 0.20 0.40 0.60 0.80 1.00

COLOR DESCRIPTION
ORANGE +5 VDC POWER FOR OPTICAL ENCODER
GREEN-BLUE DIFFERENTIAL ANALOG SINE OUTPUTS
WHITE-YELLOW DIFFERENTIAL ANALOG COSINE OUTPUTS
BROWN RETURN FOR OPTICAL ENCODER
BLACK MOTOR MINUS
RED MOTOR PLUS

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DIMENSIONS ARE IN INCHES (mm)
TOLERANCES ON:
DECIMALS  FRACTIONS  ANGLES
XXX .XX  ± 1/125  ± 1/2°
.005±.01 UNLESS OTHERWISE SPECIFIED

MOTICONT
LINEAR DIRECT DRIVE MOTOR
WITH BUILT-IN ENCODER

USED ON NEXT ASSY APPLICATION

DIMENSIONS RESOLUTION IS ACHIEVABLE WITH INTERPOLATION.
3-MOTOR MAY BE SUPPLIED WITH OPTIONAL SPRINGS.
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

REV.
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