ENCODER RESOLUTION 1.25 um 0.000049 in
INTERMITTENT FORCE 10% DUTY CYCLE 107.2 N 24.1 lb
CONTINUOUS FORCE 33.9 N 7.6 lb
FORCE CONSTANT 16.4 N/A 3.69 lb/a
BACK EMF CONSTANT 16.4 V/m/s 0.417 V/in/s
STROKE 25.4 mm 1.000 in
MOVING MASS 248 gr 0.55 lb
TOTAL MASS 970 gr 2.14 lb
COIL RESISTANCE 4.7 Ohms
COIL INDUCTANCE & 1000 Hz 4.6 mH
MAX CONTINUOUS POWER 20.0 W
MAX TOTAL SHAFT SIDE LOAD 24.0 N 5.4 lb
LINEAR BEARING TYPE PLAIN BUSHING

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

WIRE COLOR DESCRIPTION
ORANGE +5 VDC POWER FOR OPTICAL ENCODER
GREEN CHANNEL A+ OUTPUT OF OPTICAL ENCODER, TTL
BLUE CHANNEL A- OUTPUT OF OPTICAL ENCODER, TTL
WHITE CHANNEL B+ OUTPUT OF OPTICAL ENCODER, TTL
YELLOW CHANNEL B- OUTPUT OF OPTICAL ENCODER, TTL
BROWN RETURN FOR OPTICAL ENCODER AND THERMISTOR
BLACK MOTOR MINUS
RED MOTOR PLUS
GRAY HOME INDICATOR, TTL, ACTIVE HIGH
PURPLE THERMISTOR RELATIVE TO RETURN

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