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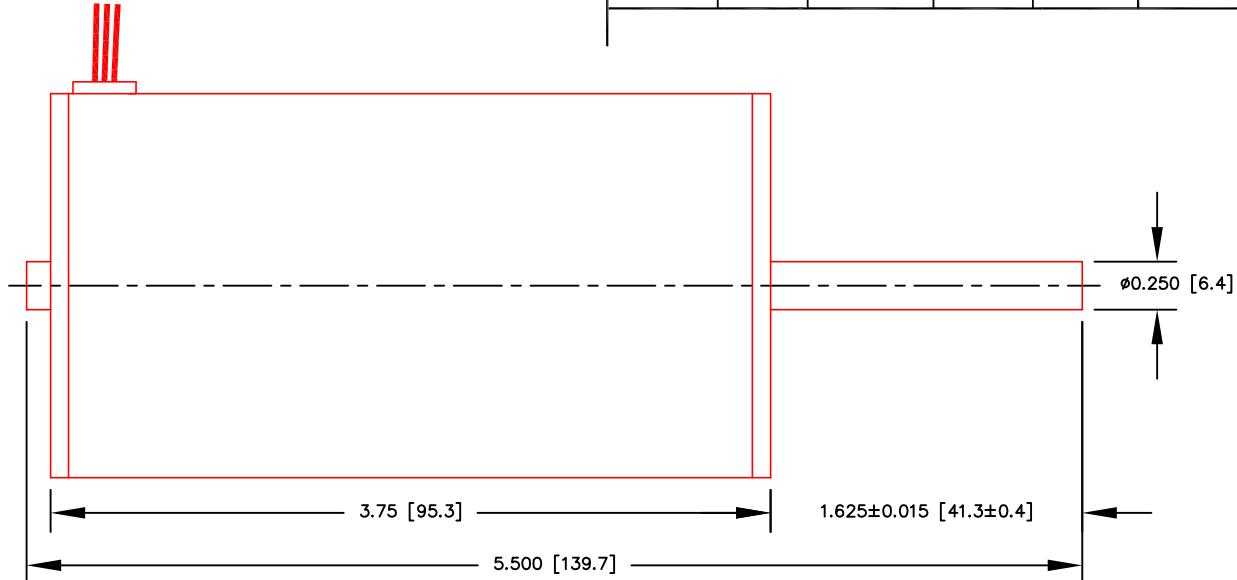
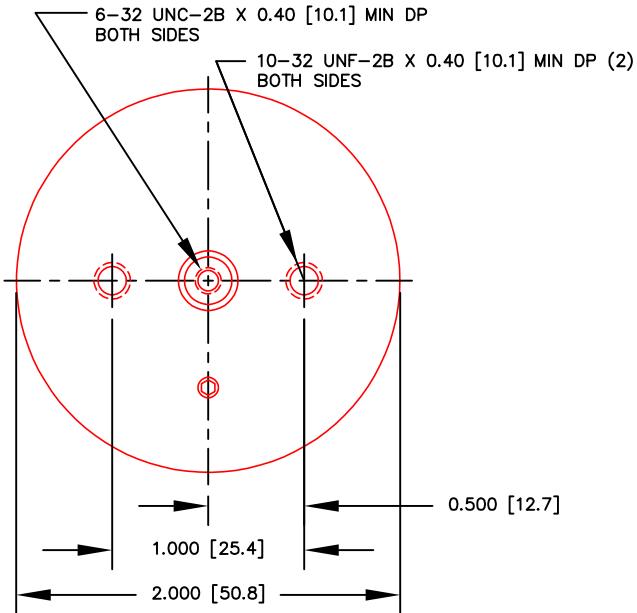
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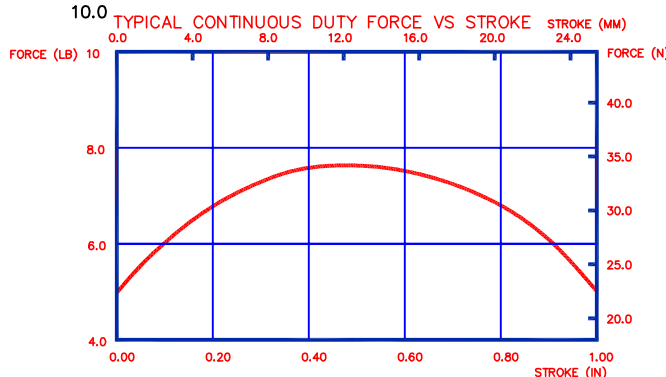
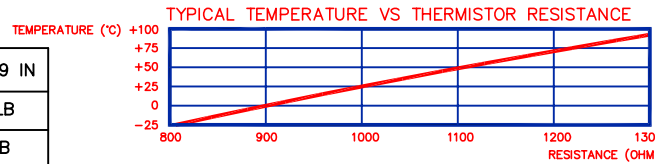
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SHOWN IN FORWARD EXTENDED SHAFT POSITION

REVISIONS					
ZONE	LETTER	DESCRIPTION	DATE	CHECKED	APPROVED



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	



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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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

DIMENSIONS ARE IN INCHES (mm)	
TOLERANCES ON:	
DECIMALS .XX	FRACTIONS ± 1/125 ± 1/2'
ANGLES ± .005 ± .01 UNLESS OTHERWISE SPECIFIED	
USED ON	NEXT ASSY
APPLICATION	

MATERIAL	CONTRACT
FINISH	DRN
	CHKD
	APPVD
	APPVD

<b>motiCONT</b>			
LINEAR DIRECT DRIVE MOTOR WITH BUILT-IN ENCODER			
SIZE	CODE	DWG. NO.	REV.
A		SDLM-051-095-01-01	3
SCALE: 1 / 1		SHEET 1 OF 1	

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