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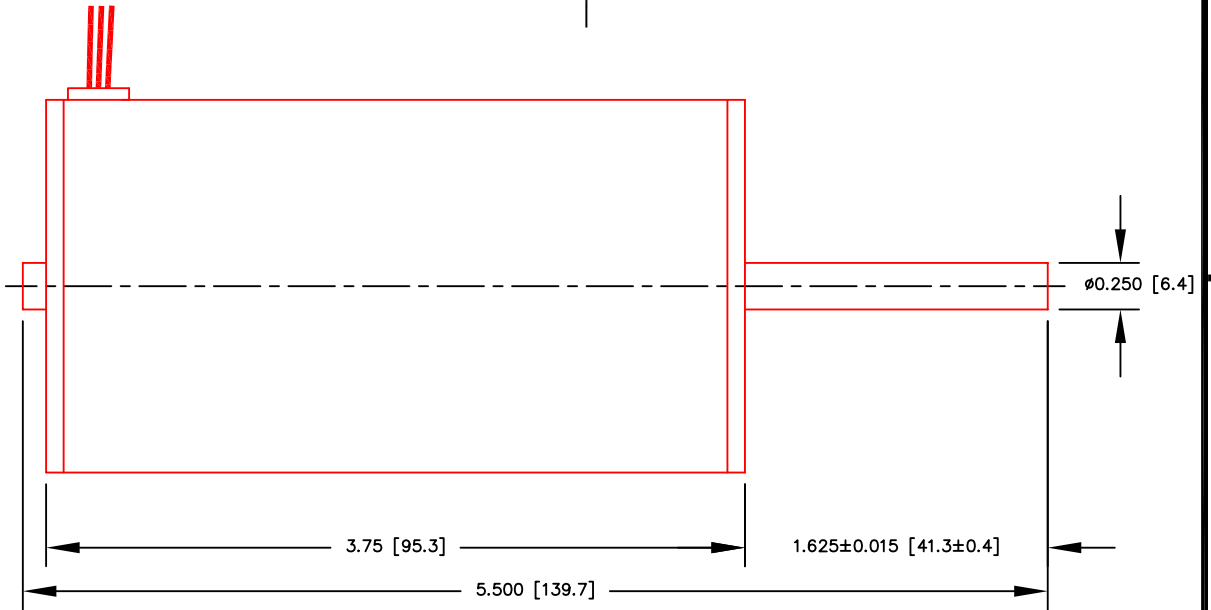
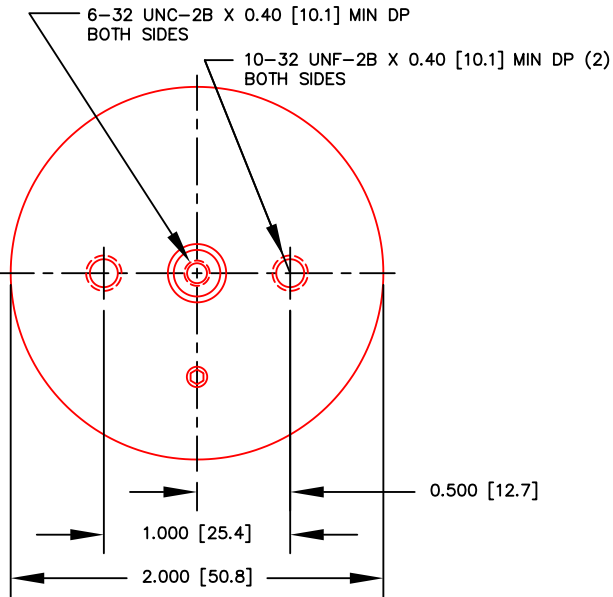
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SHOWN IN FORWARD EXTENDED SHAFT POSITION

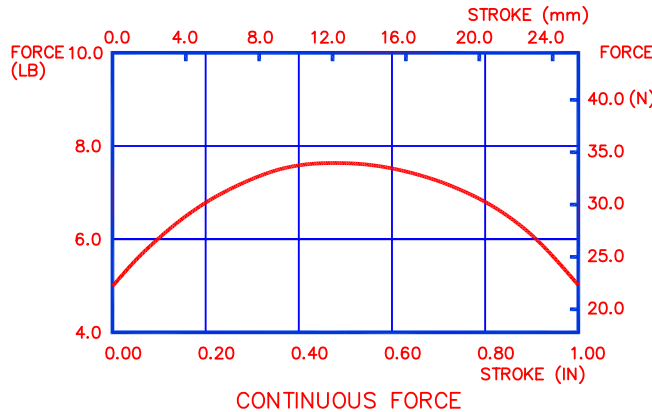
REVISIONS

ZONE	LETTER	DESCRIPTION	DATE	CHECKED	APPROVED
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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	

COLOR	DESCRIPTION
ORANGE	+5 VDC POWER FOR OPTICAL ENCODER
GREEN	CHANNEL A OUTPUT OF OPTICAL ENCODER, TTL
WHITE	CHANNEL B OUTPUT OF OPTICAL ENCODER, TTL
BROWN	RETURN FOR OPTICAL ENCODER
BLACK	MOTOR MINUS
RED	MOTOR PLUS
GRAY	HOME INDICATOR, TTL, ACTIVE HIGH - OPTIONAL



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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	FRACTIONS
.XXX .XX	± 1/125 ± 1/2"
± .005± .01	
UNLESS OTHERWISE SPECIFIED	
USED ON	NEXT ASSY
APPLICATION	

MATERIAL	CONTRACT	
FINISH	DRN	
	CHKD	
	APPVD	
	APPVD	

motiCont			
LINEAR DIRECT DRIVE MOTOR WITH BUILT-IN ENCODER			
SIZE	CODE	DWG. NO.	REV.
A		SDLM-051-095-01-01	2
SCALE: 1 / 1		SHEET 1 OF 1	

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