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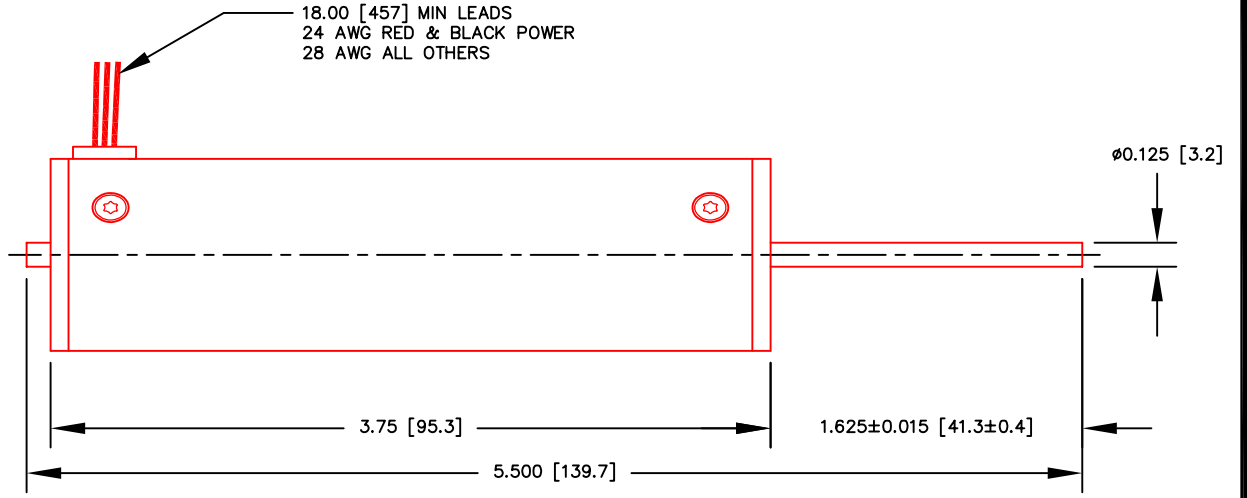
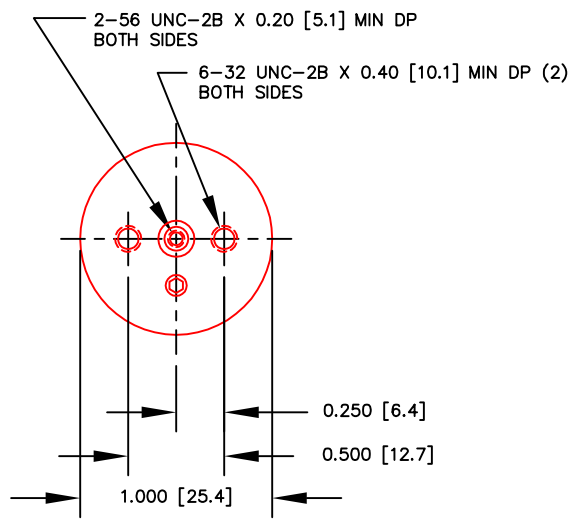
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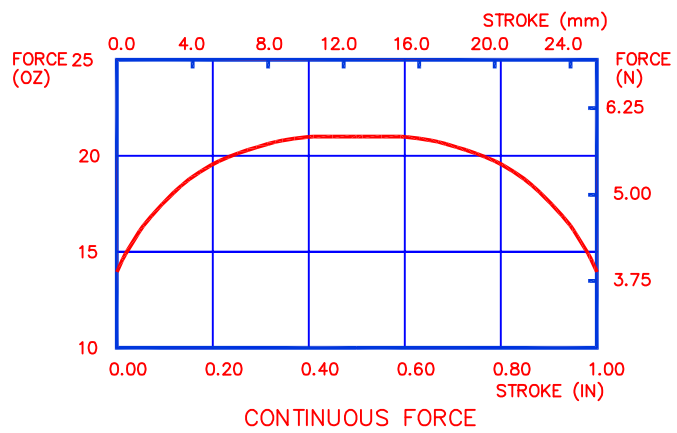
SHOWN IN FORWARD EXTENDED SHAFT POSITION

REVISIONS					
ZONE	LETTER	DESCRIPTION	DATE	CHECKED	APPROVED



ENCODER RESOLUTION	1.25 $\mu$ m	0.000049 IN
INTERMITTENT FORCE @10% DUTY CYCLE	18.5 N	66.4 OZ
CONTINUOUS FORCE	5.8 N	21.0 OZ
FORCE CONSTANT	4.24 N/A	15.3 OZ/A
BACK EMF CONSTANT	4.24 V/M/S	0.11 V/IN/S
STROKE	25.4 mm	1.000 IN
MOVING MASS	54 GR	1.91 OZ
TOTAL MASS	240 GR	8.5 OZ
COIL RESISTANCE	5.3 Ohms	
COIL INDUCTANCE @ 1000 Hz	2.6 mH	
MAX CONTINUOUS POWER	10.0 W	
MAX TOTAL SHAFT SIDE LOAD	2.0 N	7.2 OZ
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



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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	± 1/125
.XX	± 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-025-095-01-01	2
SCALE: 1 / 1		SHEET 1 OF 1	

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