

LCA50 Series

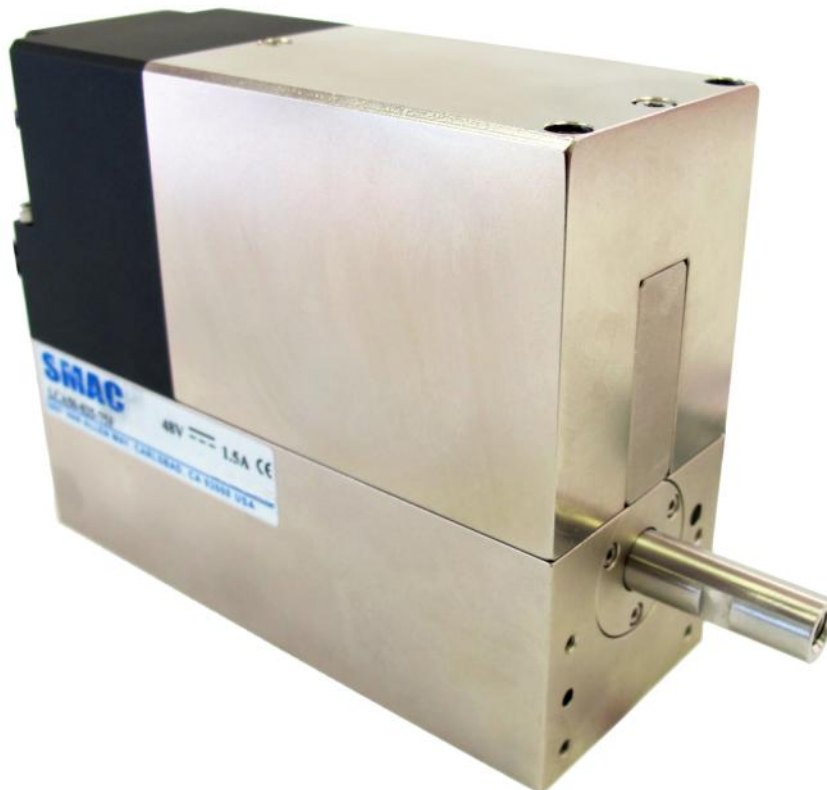
Linear Actuator

Control force on high cycle applications
Long life, over 100million cycle
Up to 40G acceleration

LCA50 Series

Dimensions [mm]	100 x 125 x 50 (25mm stroke)
Stroke [mm]	25, 50, and 100 (+1/-0) (Consult factory for longer stroke)
Peak Force [N]	up to 110
Encoder Resolution [μm]	5 (standard) 1 & 0.1 (Options)

SMAC's Patented 'Soft-Land' Technology
Fully programmable in force, position and velocity
Ideal for high cycle applications
Precise control in position and speed
Linear slide models available



Applications



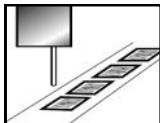
Ejecting/Rejection
Diverting/Sorting



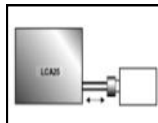
Bottle filling/
Liquid Nitrogen
Dosing



De-blistering



Labelling



Scanning/Positioning
(High cycle)

SMAC

Moving Coil Actuators

LCA50 series Linear Actuator

PART NUMBERING

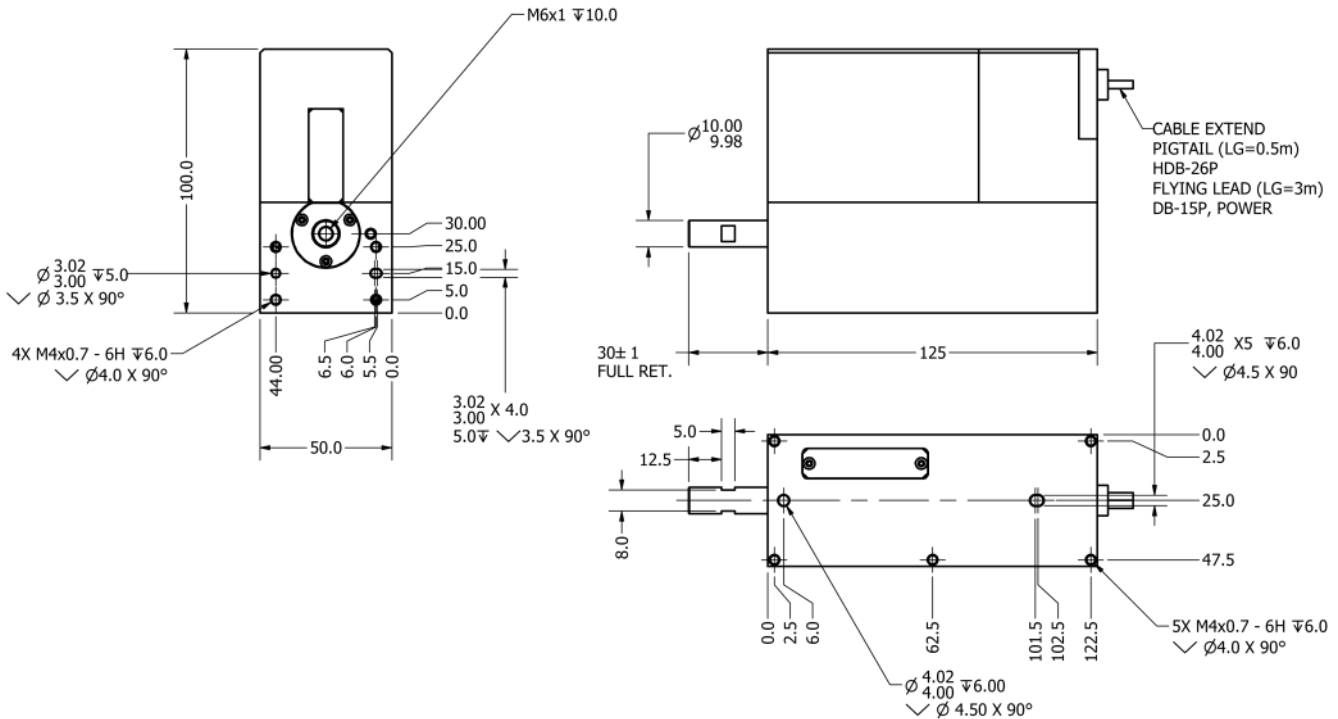
MODEL	SERIES	STROKE	VOLT	ENCODER	SHAFT	VACUUM	SPRING	CABLE	MOD						
LCA	50	025				V			M	O	D				

1 = 24 vdc 6 COIL	1 = 1.0µm	B = BLANK	SA =0g payload, vertical, full return	3 = Flying Lead
3 = 48 vdc 6 COIL	5 = 5.0µm	F = FEMALE	SB =50g payload, vertical, full return	5 = Pigtail
5 = 24 vdc SINGLE COIL	2 = 0.1µm	M = MALE	SC =100g payload, vertical, full return	
7 = 48 vdc SINGLE COIL		C =CUSTOM	SD =0g payload, vertical, counter balance	
			SE =50g payload, vertical, counter balance	
			SF =100g payload, vertical, counter balance	

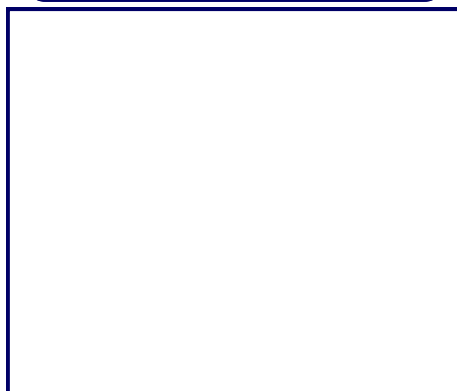
SPECIFICATION

Dimension [mm]:	100 x 125 x 50 (25mm stroke)	Linear stroke [mm]:	25, 50, and 100 (+1/-0)
Peak force [N]:	50 - 110	Force constant [N/A]:	30 - 68
Encoder resolution [µm]:	5 standard (1 and 0.1 optional)	Encoder repeatability:	+/- 4 encoder count
Encoder repeatability:	+/- 4 encoder count	Moving mass [Kg]:	0.335 - 0.665
Total mass [Kg]:	2.16 - 5.7	Operating temperature [°C]:	0 - 65°C

DIMENSIONS LCA50-025 SERIES



Regional Distributor



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Specifications subject to change without notice.
 Rev. 3