



标准规格/Standard Specifications

周围温度/Operating Range

: 0~25℃

冷却方式/Cooling Method

: Self-cool

周围湿度/Operating range

: 20~80%(No condensation)

(in controlled environment)

最大温度/Maximum temperature

: 125℃

详细规格/Specification				
参数 Parameter	单位 Unit	LMP120-CP50	LMP120-CP74	LMP120-CP98
性能指标 Performance Specifications				
额定推力 Continuous Force	N	7.7	8.4	10.6
峰值推力 Peak Force	N	30.8	33.5	42.5
电气性能 Electrical Specifications				
线间感应电压常数 BEMF Constant(line-line,peak)	V/(m/s)	5.57	14.90	18.84
额定电流 Continuous Current	Arms	0.46	0.46	0.46
峰值电流 Peak Current,Stall	Arms	1.84	1.84	1.84
推力常数 Force Constant	N/Arms	16.71	18.23	23.08
线间电阻 (25℃) Resistance,25℃ (line-line)	Ω	27.4	43.3	57.6
线间电感 Inductance,(line-line)	mH	11.30	18.30	24.40
放热常数 Thermal Resistance	℃/W	19	13	9.5
机械性能 Mechanical Specifications				
动子重量 Coil Weight	kg	0.13	0.19	0.25
动子长度 Coil Length	mm	50	74	98
动子高・宽 Coil height/width	mm	25*25	25*25	25*25
间隙 Gap	mm	0.5	0.5	0.5
磁轴外径 Magnetic axis diameter	mm	12	12	12
磁极间距 (NN) Magnetic Pole Pitch (NN)	mm	48	48	48
磁轴长度(n=1、2、3...) Magnetic axis Length	mm	70+24*n	94+24*n	118+24*n
最大行程 Maximum Travel	mm	1800	1800	1800

注/Notes:

1.Performance is dependent upon heat sink configuration, system cooling conditions,and ambient temperature.

1.性能取决于散热器配置、系统冷却条件和环境温度。

2.Values shown @ 100℃ rise above a 25℃ ambient temperature,with motor mounted to the specified aluminum heat sink.

2.在高于25℃至100℃的环境温度时，电机需安装在指定的铝制散热器上。

3.Peak force assumes correct rms current;consult SMJ.

3.峰值扭矩下设置正确的电流值，请咨询SMJ。

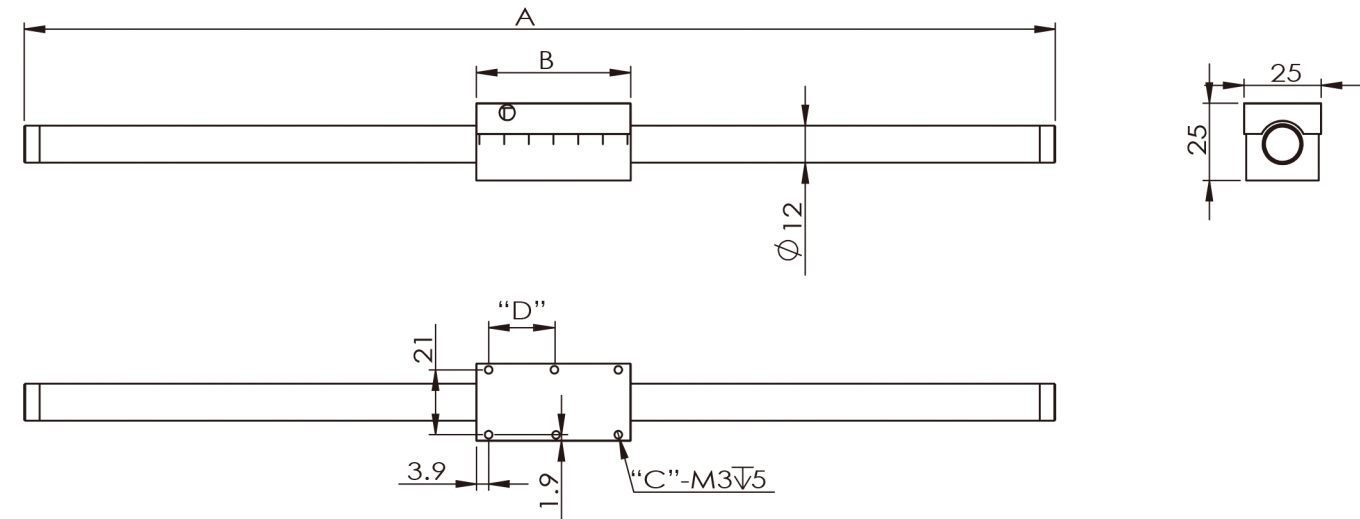
4.Force constant and motor constant specified at stall.

4.失速时规定的力常数和电机常数

5.All performance and electrical specifications±10%.

5.所有性能和电气规格偏差 ± 10%

外形尺寸/Dimensions(mm)



磁轴/Magnet Axis

Model No.	A	
LMP120-MPXX	70+24*n	
LMP120-MPXX	94+24*n	
LMP120-MPXX	118+24*n	

滑块/Slider

Model No.	B	C	D
LMP120-CP50	50	4	42
LMP120-CP74	74	4	42
LMP120-CP98	98	6	42

(n=1、2、3...)