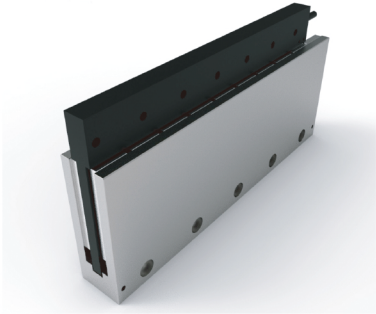




标准规格/Standard Specifications

绝缘耐压/Insulation Capacity : AC1500V 1min

周围温度/Operating Range : 0~25℃

冷却方式/Cooling Method : Self-cool

绝缘电阻/Insulation Resistance : DC500V 100MΩ or more

周围湿度/Operating range : 20~80%(No condensation)

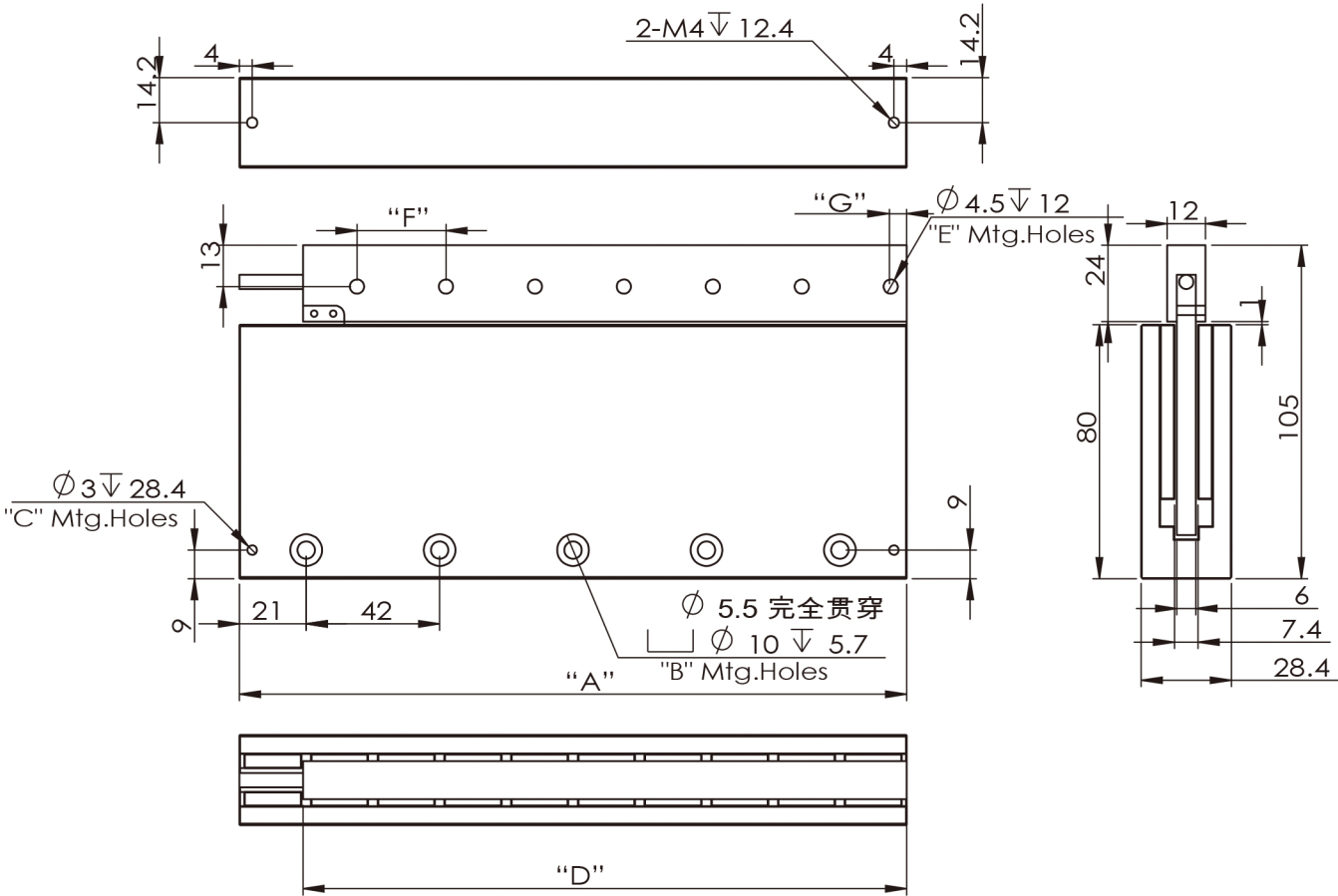
(in controlled environment)

最大温度/Maximum temperature : 125℃

详细规格/Specification											
参数 Parameter	单位 Unit	LMUT040-CP106		LMUT040-CP190		LMUT040-CP274		LMUT040-CP358		LMUT040-CP442	
		N	F	N	F	N	F	N	F	N	F
性能指标 Performance Specifications											
额定推力 Continuous Force	N	70		140		210		280		350	
峰值推力 Peak Force	N	240		480		720		960		1200	
电气性能 Electrical Specifications											
线间感应电压常数 BEMF Constant(line-line,peak)	V/(m/s)	56	23	56	23	56	23	56	23	56	23
额定电流 Continuous Current	Arms	1.03	2.55	2.06	5.09	3.09	7.64	4.12	10.18	5.15	12.73
峰值电流 Peak Current,Stall	Arms	3.5	8.7	7.1	17.5	10.6	26.2	14.1	34.9	17.6	43.6
推力常数 Force Constant	N/Arms	68	27.5	68	27.5	68	27.5	68	27.5	68	27.5
马达常数 Motor Constant	N/√W	9.86		19.7		29.6		39.4		49.3	
线间电阻 (25℃) Resistance,25℃ (line-line)	Ω	31.8	5.2	15.9	2.6	10.6	1.7	8	1.28	6.6	1.06
线间电感 Inductance,(line-line)	mH	17.8	2.74	8.9	1.37	5.9	0.9	4.4	0.69	3.56	0.55
放热常数 Thermal Resistance	℃/W	1.3		0.65		0.43		0.32		0.26	
最大电压 Maximum Bus Voltage	V _{DC}	325									
机械性能 Mechanical Specifications											
动子重量 Coil Weight	kg	0.25		0.47		0.69		0.91		1.13	
动子长度 Coil Length	mm	106		190		274		358		442	
磁轨重量 Magnet Track Weight	kg/m	12.27									
磁极间距 (NN) Magnetic Pole Pitch (NN)	mm	42									

- 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)



定子/Magnet Plate

Model No.	A	B	C
LMUT040-MP210	210	5	2

动子/Coil Plate

Model No.	D	E	F	G	
LMUT040-CP106	106	4	28	5	
LMUT040-CP190	190	7	28	5	
LMUT040-CP274	274	10	28	5	
LMUT040-CP358	358	13	28	5	
LMUT040-CP442	442	16	28	5	