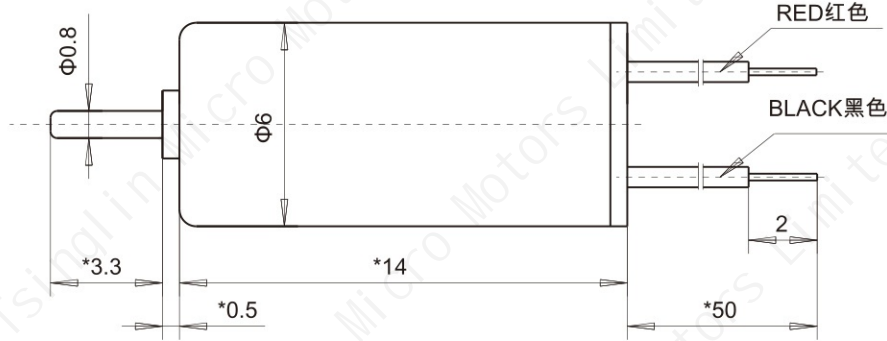


TSL-CL0614 Series $\Phi 6 \times L14$

稀有贵金属电刷 Precious Metal Brushes 0.2W



电机参数 Motor Parameter				电机型号 Motor Model			
额定电压下的数值 Values at nominal voltage				TSL-CL6B1-050122	TSL-CL6B1-090111	TSL-CL6B1-140081	TSL-CL6B1-120091
	1	额定电压 Rated voltage	V	1.5	3.7	3.7	4.5
空载点 Free Load	2	空载转速 No load speed	rpm	23700	35300	21100	31700
	3	空载电流 No load current	mA	45	33	17	16
最大效率点 At Max. Efficiency	4	最大效率 Max. efficiency	%	44%	45%	41%	54%
	5	转速 Speed	rpm	18500	26800	15700	25300
	6	电流 Current	mA	158	106	50	64
最大输出功率点 At Max. Output	7	转矩 Torque	g.cm	0.55	0.63	0.47	0.59
	8	最大功率 Max. output	W	0.15	0.24	0.1	0.24
	9	转速 Speed	rpm	11800	17600	10500	15900
堵转点 At Stall	10	电流 Current	mA	301	186	82	135
	11	转矩 Torque	g.cm	1.25	1.32	0.93	1.46
堵转点 At Stall	12	堵转电流 Stall current	A	0.56	0.34	0.15	0.25
	13	堵转转矩 Stall torque	g.cm	2.49	2.65	1.85	2.93
电机常数 Motor Constants							
	14	端电阻 Terminal resistance	Ω	2.7	10.9	25.1	17.8
	15	转矩常数 Torque constant	g.cm/A	4.9	8.7	14.2	12.3
	16	转速常数 Speed constant	rpm/V	17200	10600	6400	7500
	17	速度/转矩常数 Speed/Torque constant	rpm/g.cm	9500	13310	11360	10830

电机特性 Motor characteristic

热参数 Thermal parameters

18	环境温度范围 Ambient temperature	-20~+65	°C
19	绕组最高允许温度 Max. permissible winding temperature	85	°C

机械参数 Mechanical parameters

20	最高空载允许转速 Max. permissible No-load speed	40000	rpm
21	最大轴向载荷(动态) Max. axial load(dynamic)	0.15	N

其他参数 Other parameters

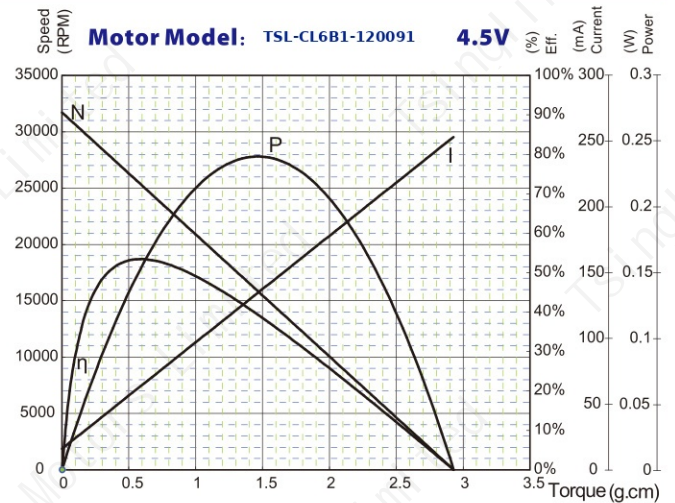
22	电机磁极对数 Number of pole pairs	1	
23	换向器片数 Number of commutator segments	3	
24	电机重量 Weight	1.5	g

备注 Remarks

- 外形图中带“*”尺寸可根据客户需求调整。
 - 可按客户要求对性能、安装、电源连接方式、外形尺寸的设计。
 - 电机可配置铁、铜、钨等材质及各种形状尺寸的偏心锤，组成振动电机。
- 1) Dimension with "*" in the drawing can be adjusted according to customer's requirement.
- 2) Motor can be designed upon customer's requirements on performance, installation, power connection method and motor dimension.
- 3) Motor can be mounted with various shape and sizes of eccentric weight which is made of iron, brass or ferro-alloy to become vibration motor.

1g=0.035oz 1inch=25.4mm 1g.cm=0.098mN.m
1oz=28.35g 1mm=0.0394inch 1mN.m=10.2g.cm

典型性能 Typical performance



备注：电机测试环境温度：常温25-30℃。

NOTE: Ambient temperature 25-30℃