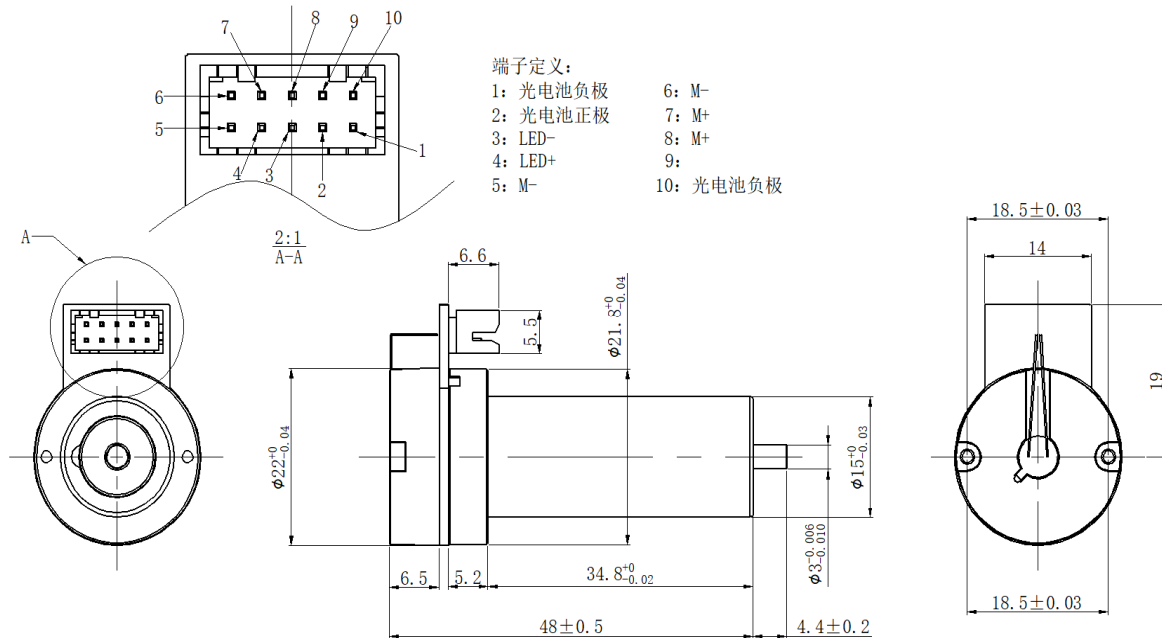




# Slotless Brushless DC Motor

## LS-1548RB Galvanometer Motor



典型应用 Typical Applications: 激光清洗 laser cleaning、激光焊接 laser welding、精密切割 precision cutting, 科学研究 scientific research, 打印 3D printing

振镜电机参数 (Motor data)		01A			
额定电压下数值 (Values at nominal voltage)					
1 额定电压 (Nominal voltage)	V	5			
2 额定电流 (Rated current)	mA	30			
3 转动频率 (Rotational frequency)	Hz	200			
4 最大机械扫描角度 (Max mechanical scanning angle)	度	$\pm 15^\circ$			
5 线性度 (linearity)	%	99.9%			
6 重复定位精度 (Positioning accuracy)	Rad	$< 8 \mu\text{Rad}$			
7 增益误差 (Gain error)	Rad	$< 5\text{mRad}$			
8 长时间漂移 (连续工作 8 小时) Long time drift	Rad	$< 0.5\text{mRad}$			
9 比例漂移 (Proportional drift)	PPM/°C	$< 40\text{PPM/}^\circ\text{C}$			
10 零点漂移 (Zero drift)	Rad/°C	$< 15 \mu\text{Rad/}^\circ\text{C}$			
11 工作温度 (Operating temperature)	°C	$0^\circ\text{C} \sim 45^\circ\text{C}$			
12 存储温度 (Storage temperature)	°C	$-10^\circ\text{C} \sim 60^\circ\text{C}$			
13 电机重量 (Motor weight)	g	54			

### 其他特性参数 Other characteristic parameters

14 绕组最高允许温度 (Max permissible winding temperature)	120°C
15 电极磁极对数 (Number of the pole pairs)	1
16 相数 (Number of phases)	2