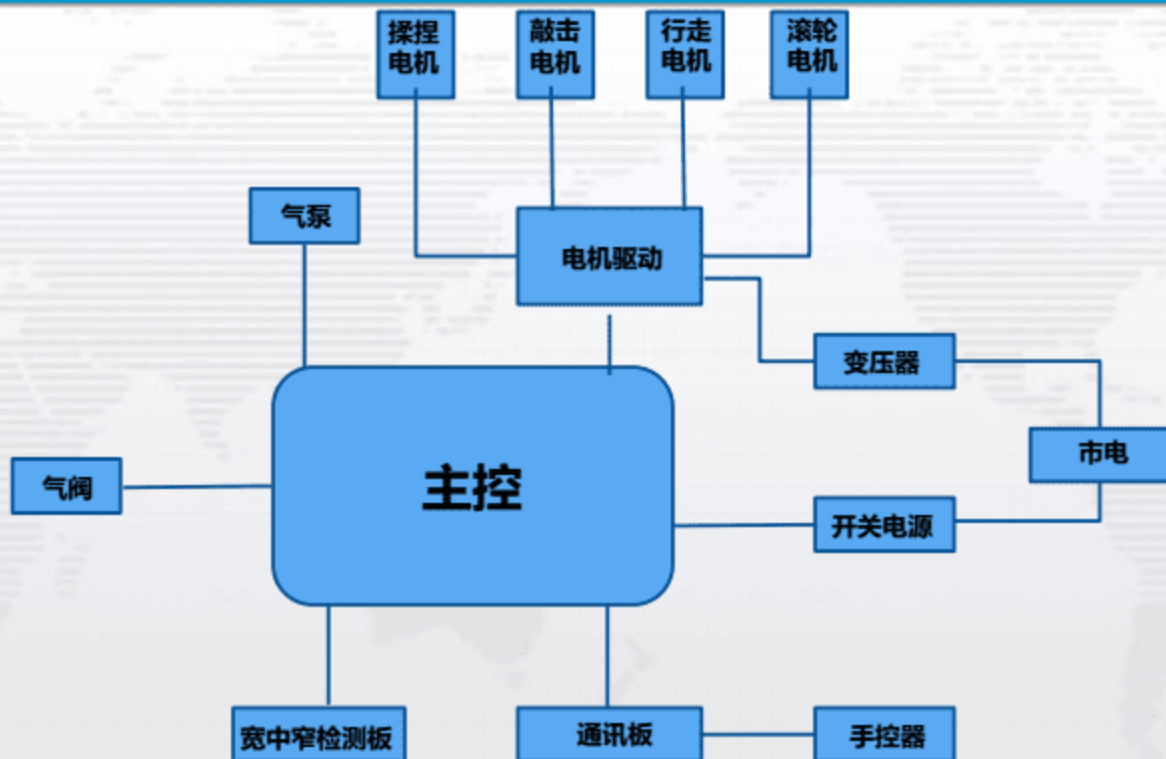




# 电动按摩椅EMI整改方案





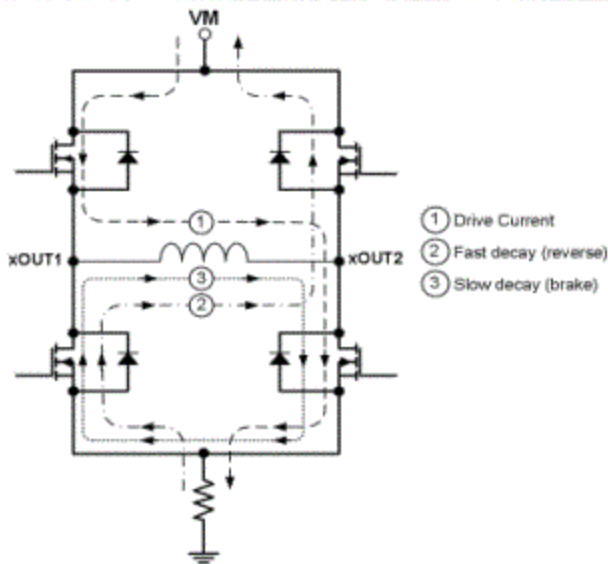
- 电机驱动
- 永磁直流有刷电机
- 手控器
- 开关电源



# 电机驱动EMI解决方案

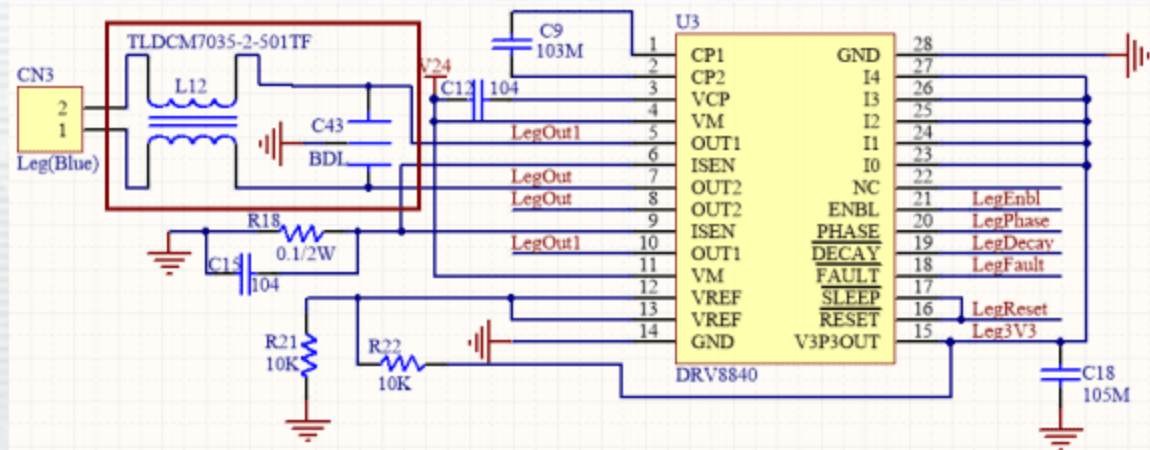


- 1.集成驱动IC
- 2.mos/晶体管组长H桥
- 3.继电器

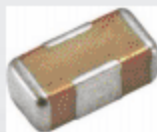


## DRV8840常用的MOS管集成的H桥驱动IC

韬略科技致力于提供一站式EMC解决方案

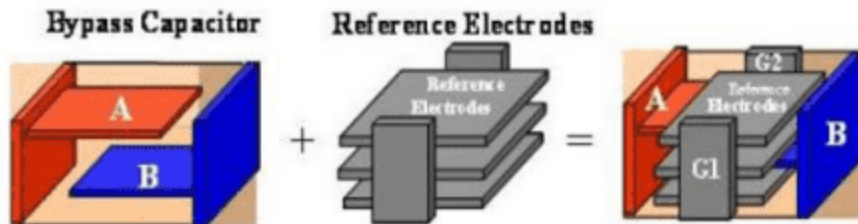


## DRV8840驱动IC

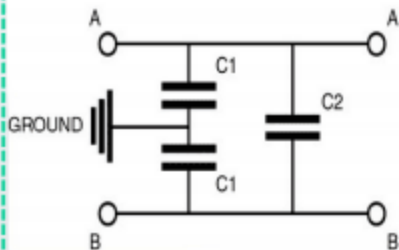


韬略科技致力于提供一站式EMC解决方案

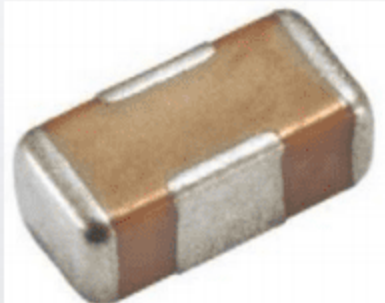




BDL内部结构组成图

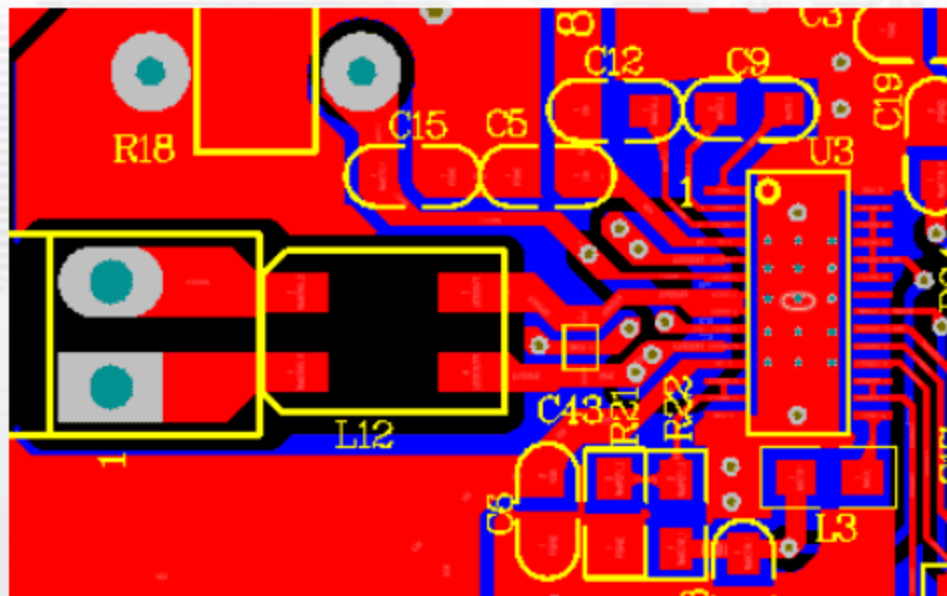


等效电路图



实物图



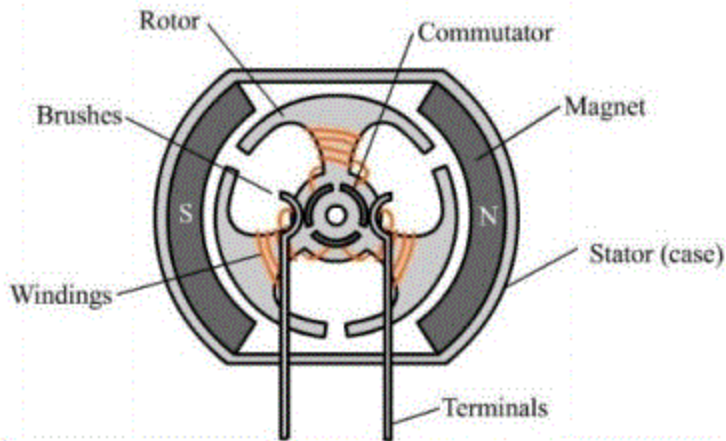




# 电机EMI解决方案

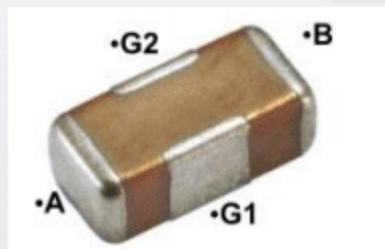
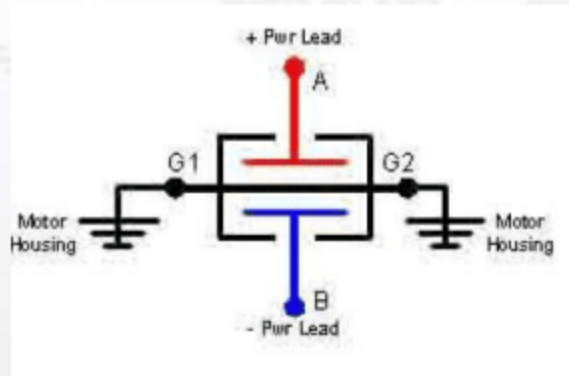


Typical Brushed Motor in Cross-section





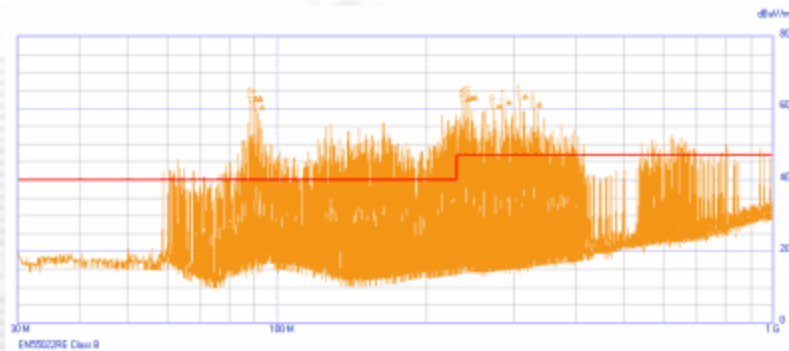
**DC马达BDL接线方式**





## 测试数据对比（永磁直流有刷电机）

TOP-EMC



某24V/27W信号直流马达未滤波情况下的测试数据



使用E22M0110B500MN BDL EMI滤波器后的测试数据

韬略科技致力于提供一站式EMC解决方案



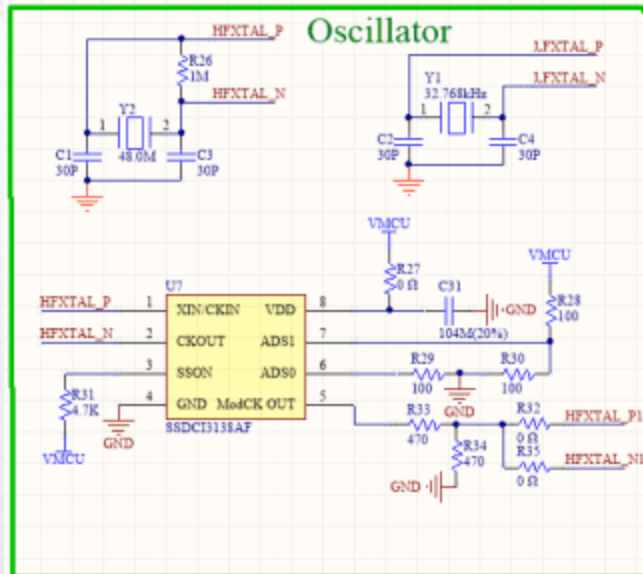
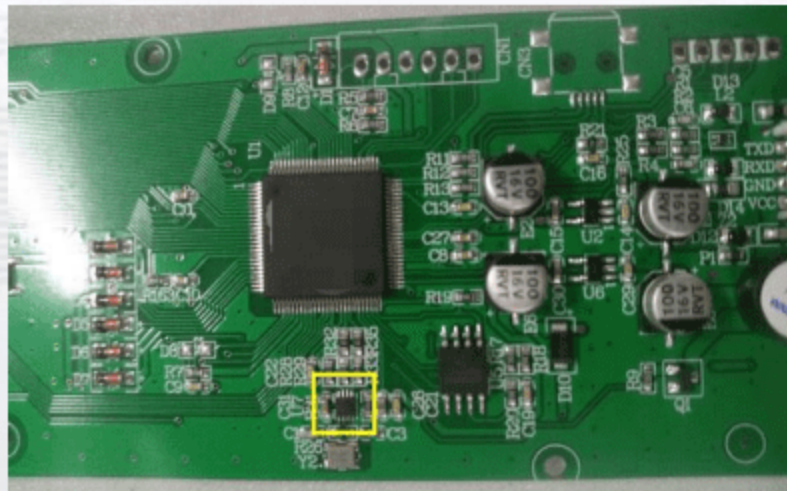
# 手控器EMI解决方案





## 手控器EMI处理方案

**TOP-EMC**

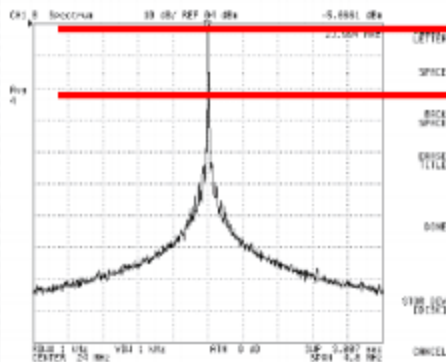


韬略科技致力于提供一站式EMC解决方案

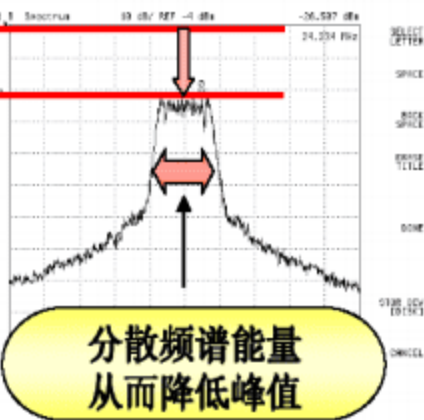




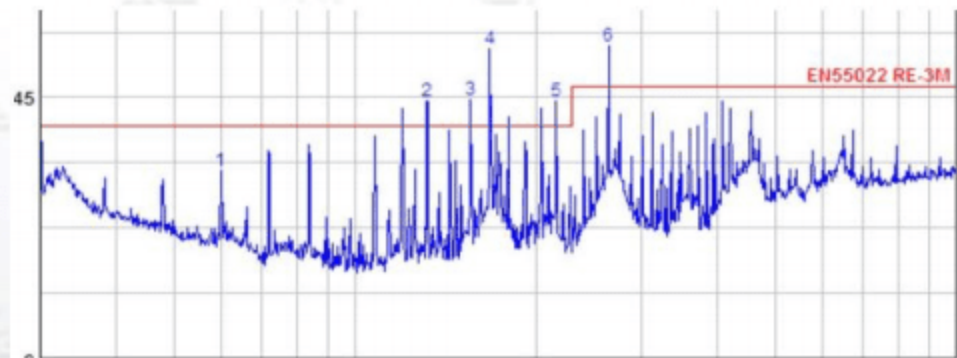
### SSCG = OFF



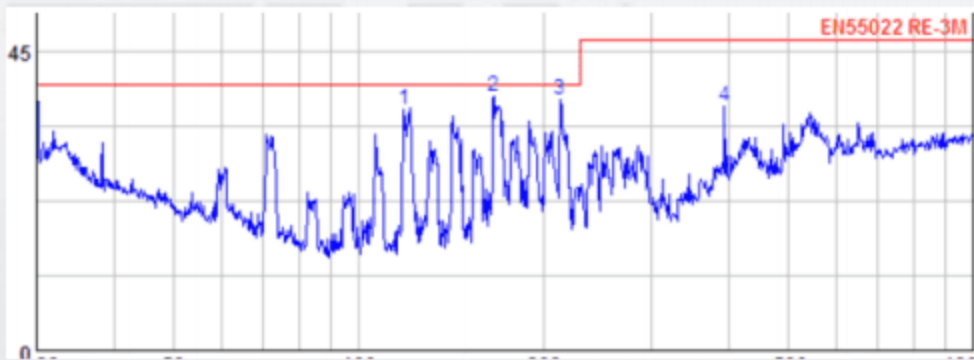
### SSCG = ON



展频技术：对尖峰时钟进行调制处理，使其从一个窄带时钟变为一个具有边带谐波的频谱，从而达到将尖峰能量分散到展频区域的多个频率段，达到降低尖峰能量，抑制EMI的效果。



时钟噪声未做任何措施时测试情况



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TOP-EMC



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