

高可靠性 / 低功耗光继电器和光耦

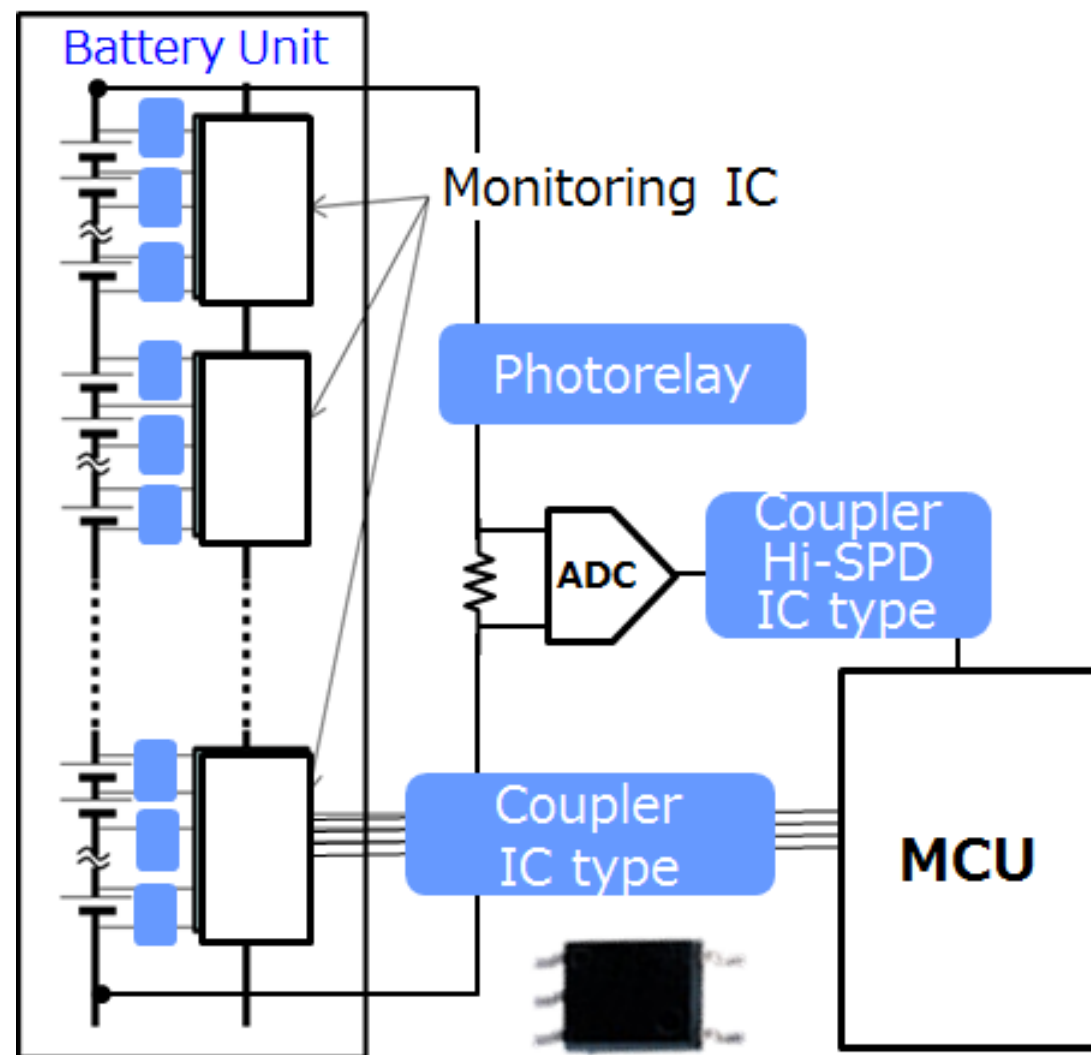
TLX9175J ~ BMS用车规光继电器

TLX9310 ~ BMS用车规光耦

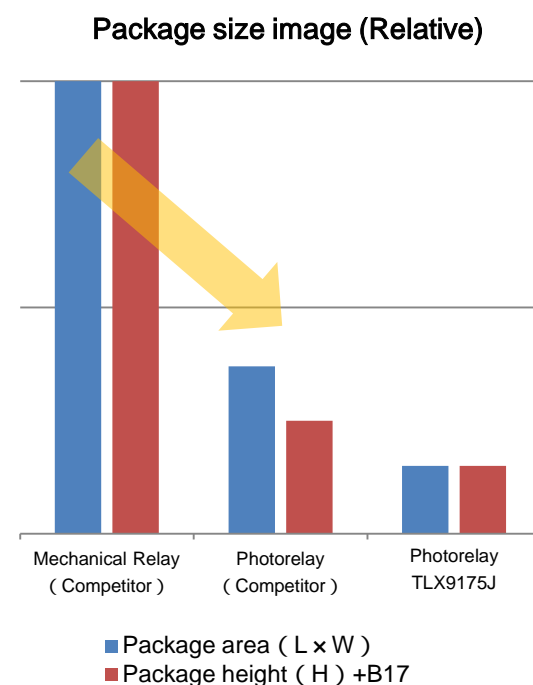
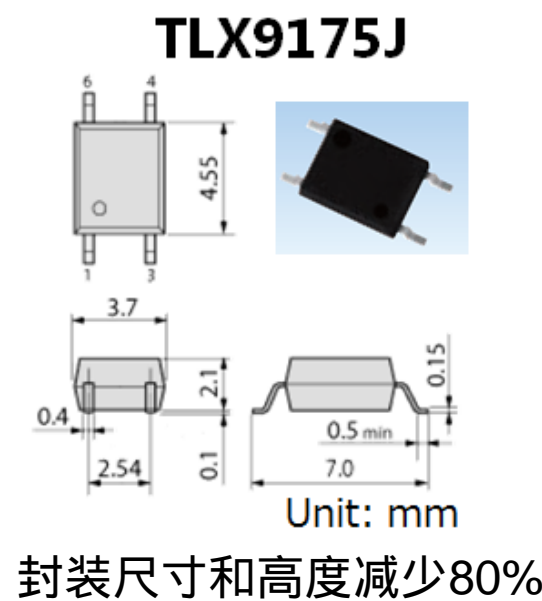
更小的封装尺寸以及低工作电流满足市场对于“低功耗”以及“减小封装尺寸和高度”的要求

客户价值定位

- 低功耗
- 减小封装尺寸



TLX9310



市场趋势

- BMS应用要求低功耗
- 封装小型化

开发计划

- 已经量产

技术 / 特点

新的工艺和材料提高了LED的发光效率
引用高等级的可靠性测试以及温度耐量测试

TLX9175J

Characteristics	Symbol	Rating
Operating temperature	T _{opr}	-55 to 105()
Storage temperature	T _{stg}	-55 to 125()
Trigger LED current (Max.)	I _{FT}	3(mA)
Peak off-state voltage (Min.)	V _{OFF}	600(V)
Isolation voltage (Min.)	BVs	3750(V)

Item	TLX9304	TLX9378	TLX9376	TLX9310
Package	SO6			
Operating Temp. Topr	-40~125°C			-40~105°C
Storage Temp. Tstg	-55~150°C			-55~125°C
Speed	1M	10M	20M	5M
Output type	Open collector		Totem-pole	
Threshold input current (Max) IFHL	5mA	5mA	3.5mA	1mA
Voltage supply at output side VCC	4.5~30V	4.5~5.5V	4.5~5.5V	2.7~5.5V
Supply current at output side (Max) ICC	1.3mA	1.3mA	1.7mA	0.3mA
Isolation voltage (Min.) BVs	3750Vrms			