

ESD Damage Mechanism

HOME TECHNOLOGY ESD Damage Mechanism

TECHNOLOGY

What is LED?

Quality Assurance

Our Technology

- Optimum PKG Design For ITS Purpose
- Lower Heat Generation
- HCRI By Multi Wavelength Chip
- High Power Factor
- ICC Technology
- AC Direct Circuit With Current Compensation
- Dimming Capability (under development)
- Constant Current

ESD Damage Mechanism

Mechanism of ESD Shock to LED

When ESD Shock (Normally applied to Reverse bias) is applied to LED Chip dice, It causes leakage current route which has no effect to optical output. - VF become very low and cannot be turned on.

Green, Blue chip is very sensitive to the ESD shock compared to RED chip.

(Corrective method : Correct assembly Line (Customer) / Using LED built in ESD protection device )

