



PL763H SERIES HIGH POWER LED

Features

- *5mm Lens Piranha with Heavy Lead Frame
- *High Luminous Output
- *Meets SAE/ECE/JIS Automotive Colors
- *Packaged in 60pc Tubes
- *RoHS Compliant

Absolute Maximum Ratings at T_A = 25°C

| | |
|--|-----------------------------------|
| Power Dissipation..... | 78mW Red, 126mW Green, 126mW Blue |
| Reverse Voltage (<100μA)..... | 5.0V |
| Max Forward Current..... | 30mA |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)..... | 100mA |
| Operating Temperature Range..... | -25°C to + 85°C |
| Storage Temperature Range..... | -40°C to +100°C |
| Reflow Soldering Temperature..... | 260°C for 5 seconds |
| Electric Static Discharge Threshold (HBM)..... | 1000V |

Electrical & Optical Characteristics at T_A = 25°C

| Lens Color Part Number | Material | Emitting Color | Dominant Wave Length | Peak Wave Length | View Angle 2θ ½ | Forward Voltage @20mA (V) | | Luminous Intensity @20mA (mcd) | | Luminous Flux (lm) |
|---------------------------|-------------|-------------------|----------------------------|------------------------|-----------------------|------------------------------|-----|--------------------------------------|------|-----------------------|
| | | | | | | Typ | Max | Min | Typ | |
| Water Clear | | | nm | nm | Deg | | | | | Typ |
| PL763H-WCRGB | AlGaInP/GaP | Red | 630 | 642 | 30° | 2.2 | 3.0 | 270 | 600 | 890 |
| | InGaN/SiC | Green | 520 | - | | 3.5 | 4.2 | 500 | 1000 | 1500 |
| | InGaN/SiC | Blue | 470 | - | | 3.5 | 4.2 | 80 | 220 | 300 |

All dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified. An epoxy meniscus may extend about 1mm down the leads.

