



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
- *Integrated Zener Diode for ESD protection
- *RoHS Complaint

Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Power Dissipation.....	120mW
Reverse Voltage (<100 μ A).....	5.0V
Max Forward Current.....	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width).....	100mA
Operating Temperature Range.....	-25 $^\circ\text{C}$ to + 85 $^\circ\text{C}$
Storage Temperature Range.....	-40 $^\circ\text{C}$ to +100 $^\circ\text{C}$
Reflow Soldering Temperature.....	260 $^\circ\text{C}$ for 5 seconds
Electric Static Discharge Threshold (HBM).....	6000V

Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

Lens Color Part Number	Material	Emitting Color	Chromacity Coordinates		View Angle 2 θ 1/2 Deg	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)		Luminous Flux (mlm) Typ
			X	Y		Typ	Max	Min	Typ	
Water Clear										
PL763H-WC3W	InGaN	White	0.31	0.30	30 $^\circ$	3.2	4.0	2750	6500	7400

All dimensions are in **Millimeters**. Tolerance is $\pm 0.25\text{mm}$ unless otherwise specified. An epoxy meniscus may extend about 1mm down the leads.

