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PL00130 Series SMD LED 0603 Package

Features

- *Flat Lens Thin Package 1.6 x 0.8 x 0.8mm
- *Low Current Requirements
- *High Light Output
- *Compatible with IR Solder-Process
- *Industry Standard Footprint
- *4000 pcs per Reel
- *RoHS Compliant

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

| | |
|--|----------------------|
| Power Dissipation | 78mW |
| Reverse Voltage (<math><10\mu\text{A}</math>) | 5.0V |
| Max Forward Current | 30mA |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)..... | 100mA |
| Operating Temperature Range | -40°C to +85°C |
| Storage Temperature Range | -40°C to +85°C |
| Reflow Soldering Temperature..... | 260°C for 10 seconds |

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

| Part Number | Emitting Color | Chip Material | Dominant Wave Length | Peak Wave Length | Viewing Angle 2 θ 1/2 | Forward Voltage @20mA (V) | | Luminous Intensity @20mA (mcd) | |
|------------------|-------------------------|---------------|----------------------|------------------|------------------------------|---------------------------|-----|--------------------------------|------|
| | | | | | | Typ | Max | Min | Typ |
| Water Clear Lens | | | nm | nm | Deg | | | | |
| PL00130-WCR08 | Ultra-bright Orange-red | AlInGaP | 626 | 630 | 130° | 2.1 | 2.6 | 45.0 | 90.0 |

Package Dimensions are in **Millimeters**. Tolerance is $\pm 0.15\text{mm}$ unless otherwise specified.

