



PLBT5050 Series SMD LED Tri-color Package

Features

- *Flat lens thin package 5.0 x 5.4 x 1.6mm
- *Low current requirements
- *High light output
- *Has a black face and clear lens
- *Compatible with IR solder-process
- *Industry standard footprint
- *1000 pcs per reel
- *RoHS compliant

Absolute Maximum Ratings at T_A = 25°C

Reverse Voltage (<10μA)	5.0V
Max Forward Current	30mA
Peak Forward Current(1/10 Duty Cycle, 0.1ms Pulse Width).....	100mA
Operating Temperature Range	-40°C to +80°C
Storage Temperature Range	-40°C to +100°C
Reflow Soldering Temperature.....	260°C for 10 seconds

Electrical & Optical Characteristics at T_A = 25°C

Part Number	Emitting Color	Chip Material	Dominant Wave Length		Viewing Angle 2θ1/2 Deg	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
			(nm) Min	(nm) Max		Typ	Max	Min	Typ
Water Clear Lens									
PLBT5050-WCRGB-BF	Red	AlInGaP	615	630	120°	1.9	2.6	800	880
	Green	InGaN	520	535		3.2	3.8	900	1500
	Blue	InGaN	461	476		3.2	3.8	210	260

Package Dimensions are in **Millimeters**. Tolerance is ± 0.15mm unless otherwise specified.

