

LEDs

5050 SMD – RGB

HL-9583

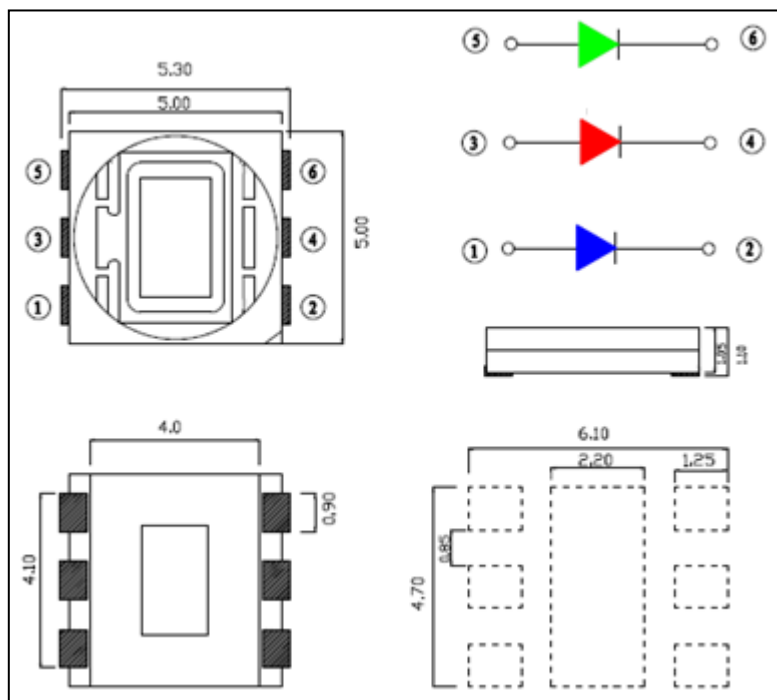
Descriptions:

Emitting Color: RGB

Device Outline: 5.0x5.0x1.6mm

Lens Type: Water Clear

Package Configuration



Absolute Maximum Ratings ($T_a=25^\circ\text{C}$)

Parameter	Max.	Unit.
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	500	mA
Continuous Forward Current	180 (3x60)	mA
Reverse Voltage	5	V
Storage/Operating Temperature Range	-40 °C to +85°C	
Power Dissipation	600mW	
Lead Soldering Temperature[4mm(.157") From Body]	250°C for 5 Seconds	

Electrical and optical characteristics

Parameter	Symbol	Typ.	Unit.	Test Condition
Luminous Intensity	I_v	R=2300 / G=5500 / B=1200	mcd	$I_F=180\text{mA}$ (3x60mA)
Viewing Angle	$2\theta_{1/2}$	120	deg.	
Dominant Wavelength	λ_d	R=628 / G=518 / B=460	nm	
Forward Voltage	V_F	R=2.0 / G=3.0 / B=3.0	V	