

LEDs

5mm – RGB – Common Cathode

HL-8850

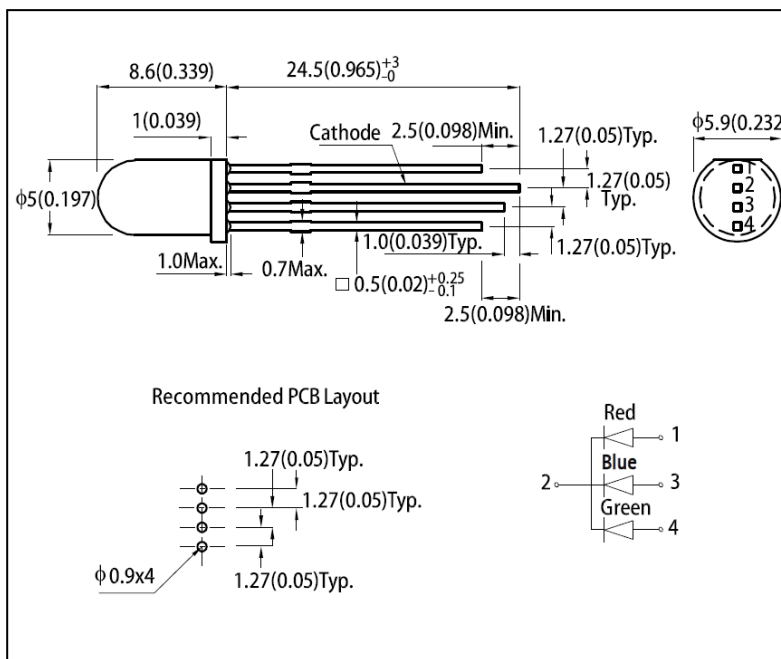
Descriptions:

Emitting Color: RGB

Device Outline: Φ 5mm round type

Lens Type: White Diffused

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)	150	mA
Continuous Forward Current	R=30 / G=25 / B=30	mA
Reverse Voltage	5	V
Storage/Operating Temperature Range	-40 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$	
Power Dissipation	300mW	
Lead Soldering Temperature[4mm(.157") From Body]	250 $^{\circ}\text{C}$ for 5 Seconds	

Electrical and optical characteristics

Parameter	Symbol	Typ.	Unit.	Test Condition
Luminous Intensity	I_v	R=1000 / G=1300 / B=500	mcd	$I_f=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	60	deg.	
Dominant Wavelength	λ_d	R=625 / G=520 / B=465	nm	
Forward Voltage	V_f	R=1.9 / G=3.3 / B=3.3	V	