

5mm Round Common Anode Diffused RGB LED

Product Code: [AC312-RGB-D-CA-5](#)

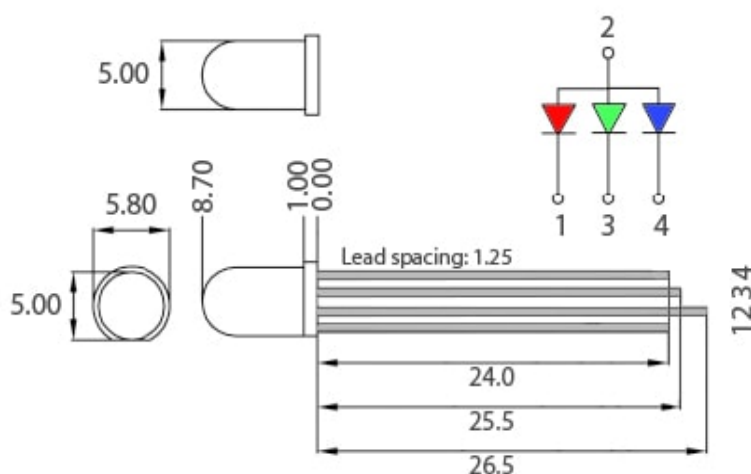
ABSOLUTE MAXIMUM RATINGS ($T_A=25^{\circ}\text{C}$)

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Current (recommended)	I_F	20	mA
Forward Current (absolute maximum)		30	mA
Peak Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	160	mW

*Pulse width ≤ 0.1 msec, duty $\leq 1/10$

TYPICAL ELECTRICAL & OPTICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$)

Characteristic	Symbol	Test Condition	Red	Green	Blue	Unit
Luminous Intensity	I_V	$I_F=20\text{mA}$	3000-4000	7000-8000	4000-5000	mcd
Forward Voltage	V_F	$I_F=20\text{mA}$	2.1	3.1	3.2	V
Wavelength	λ_D	$I_F=20\text{mA}$	620-630	515-525	460-470	nm
Viewing Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	45			Deg



Notes:

1. All dimension units are millimeters.
2. Tolerance for all dimensions is $\pm 0.2\text{mm}$.
3. An epoxy meniscus may extend about 1mm down the leads.
4. Lead spacing is measured where the leads emerge from the package.