

High-Brightness Full Colour LED: NO564RGB4-B0Q-05

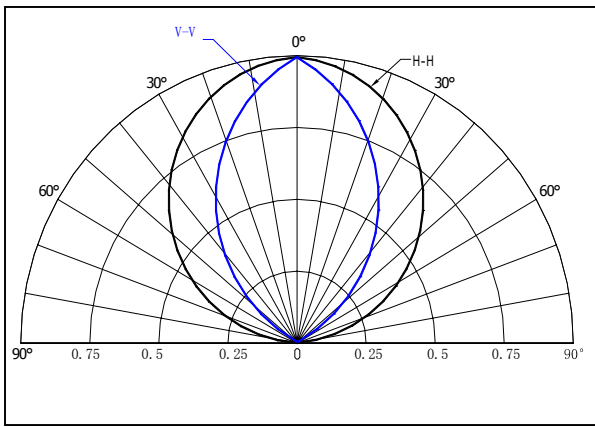
■ Characteristics

- High-Brightness LED
- Lens Color : Diffused
- Half Value Angle($2\theta_{1/2}$) : $70^\circ / 110^\circ$
- Superior Weather-resistance
- UV Resistant Epoxy

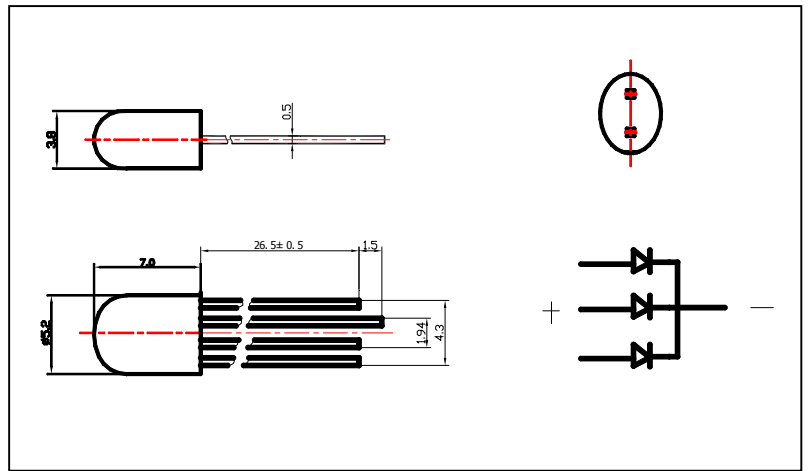
■ Application

- Advertisement
- Indicators
- Back Lights
- Illumination

■ Directivity



■ Outline Dimension



■ Electrical Optical Characteristics

Item	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Flux	ϕ	Red	0.4	---	0.9	Lm
		Green	2.0	---	3.0	
		Blue	0.3	---	0.8	
Wave Length	λD	Red	620	---	630	nm
		Green	515	---	525	
		Blue	465	---	475	
Forward Voltage	VF	Red	1.8	---	2.5	V
		Green	3.0	---	3.6	
		Blue	3.0	---	3.6	
Reverse Current	IR	---	---	10	μA	VR=5V

※ Please Refer to CIE 1931 chromaticity diagram

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Absolute Maximum Rating

Item	Symbol	Maxabsolute	Unit
Power Dissipation	PD	100	mW
Peak forward current(1/10 duty cycle, 0.1ms pulse width)	IFP	50	mA
Continuous forward current	IF	20	mA
Derating linear from 50°C		0.4	mA/°C
Reverse voltage	VR	5	V
Operating temperature range	Topr	-40°C to +80°C	
Storage temperature range	Tstg	-40°C to +100°C	
soldering temperature	Tsod	260°C for 5 Seconds	

Pulse width Max 10ms Duty ratio Max 1/10

Optical Electrical Characteristics

