LED lamps

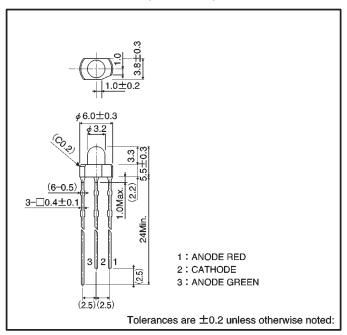
Directly mountable, two-color LEDs (ϕ 5.0 mm) SPR-325 Series

The SPR-325 series are ϕ 3.2 mm, two-color LEDs which can be directly mounted on a printed circuit board. Red and green elements are built into a single package, and these LEDs are suitable for a wide range of uses.

Features

- 1) Two-color emission : red and green.
- 2) Epoxy resin package with a diameter of 3.2 mm.
- 3) Milky white lens.
- 4) High reliability.
- 5) Lead pitch of 2.5 mm.

External dimensions (Units: mm)



•Absolute maximum ratings (Ta = 25° C)

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Parameter	Symbol	Red	Green	Unit	
Power dissipation	PD	60	75	mW	
Forward current	lf	20	25	mA	
Peak forward current	IFP	60*	60*	mA	
Reverse voltage	VR	3	3	V	
Operating temperature	Topr	-25^	°C		
Storage temperature	Tstg	-30-	ĉ		
Soldering temperature	_	260°C 5 maxi	_		

* Pulse width 1ms Duty 1 / 5

Lens

Selection guide

Milky white	SPR-325MVW
Lens	

Red / Green

Note: This product is only available on tape.

Emitting color

Parameter	Symbol	Conditions	Red		Green			Unit	
			Min.	Тур.	Max.	Min.	Тур.	Max.	Unit
Forward voltage	VF	I⊧=10mA	—	2.0	3.0	—	2.1	3.0	V
Reverse current	IR	V _R =3V	_	_	10	_	_	10	μA
Peak wavelength	λP	I⊧=10mA	_	650	_	—	563	_	nm
Spectral line half width	Δλ	I⊧=10mA	_	40	_	—	40	_	nm
Viewing angle	2 <i>θ</i> 1/2	Diffused	_	40	_	_	40	_	deg
Luminous intensity	lv	I⊧=10mA	2.2	6.3	_	3.6	10	_	mcd

•Electrical and optical characteristics (Ta = 25° C)

•Luminous intensity vs. wavelength

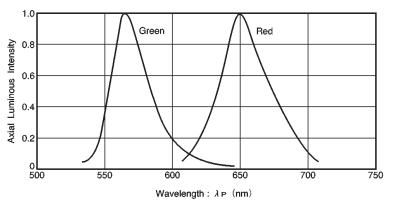


Fig. 1

Directional pattern

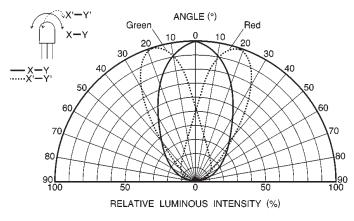
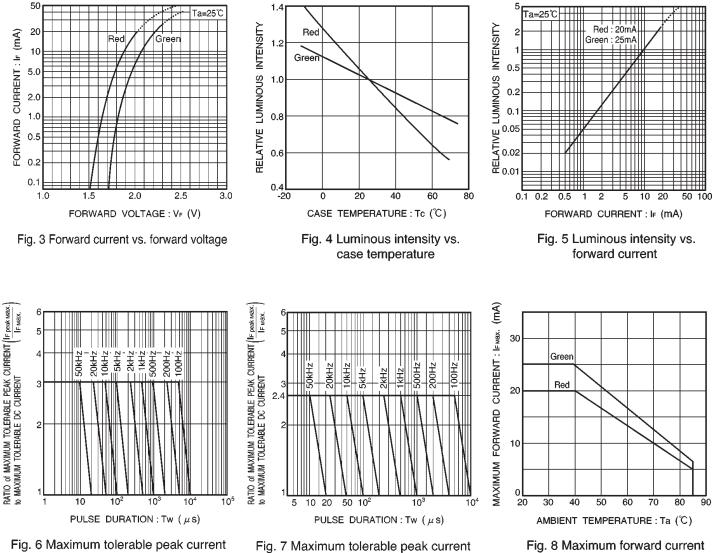


Fig. 2

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Electrical characteristic curves (red, green)



vs. pulse duration (green)

vs. ambient temperature



vs. pulse duration (red)