



RV5-405-3

- Ultraviolet Light Emitting Diode
- 405 nm, 14 mW
- 3 mm UV-resistant clear epoxy resin
- Viewing Angle: 30°



Description

RV5-405-3 is a UV LED, typically emitting at 405 nm with a typical output power of 14 mW at 20 mA. It comes in a hermetically sealed clear 3 mm UV-resistant clear epoxy resin.

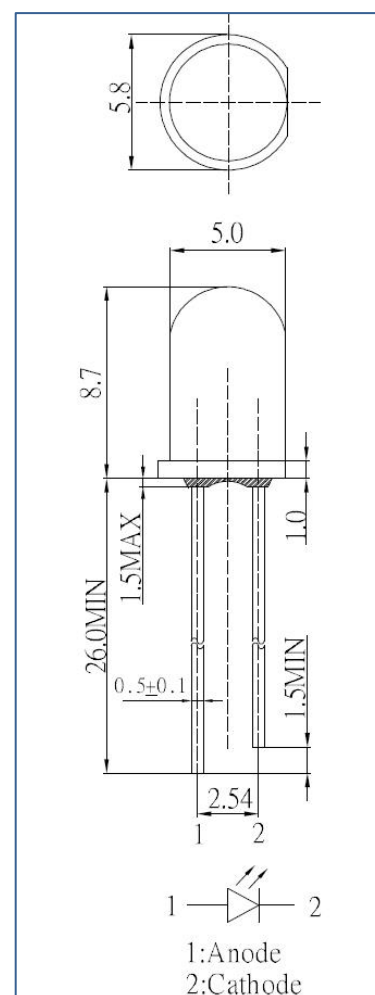
Maximum Rating ($T_{CASE} = 25^{\circ}C$)

Parameter	Symbol	Values		Unit
		Min.	Max.	
Power Dissipation, DC	P_D		108	mW
DC Forward Current*	I_F		30	mA
Pulse Forward Current*	I_{FP}		100	mA
Reverse Voltage	V_R		5	V
Operating Temperature	T_{OPR}	- 30	+ 85	$^{\circ}C$
Storage Temperature	T_{STG}	- 40	+ 100	$^{\circ}C$
Soldering Temperature (max 5s)	T_{SOL}		+ 260	$^{\circ}C$

* Duty cycle max. 10%, Pulse width max 10ms

Electro-Optical Characteristics ($T_{CASE} = 25^{\circ}C$, $I_F = 20$ mA)

Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Peak Wavelength	λ_P	400	405	410	nm
Forward Voltage	V_F	2.9	3.1	3.6	V
Reverse Current ($V_R = 5V$)	V_R			10	μA
Radiant Flux	Φ_E	12	14		mW
Viewing Half Angle	$\Theta_{1/2}$		30		deg.



All dimensions in mm

