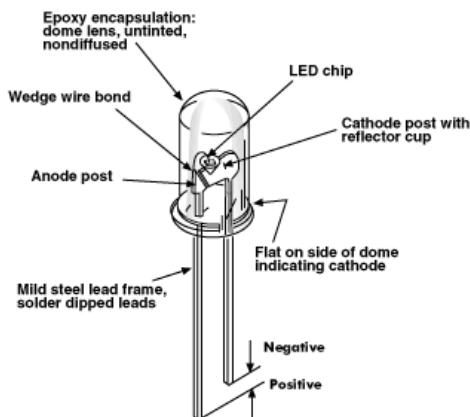


# RLU385-2-30

## 385 nm Ultra Violet LED

### ■ Features

- 385 nm UV-LED
- 5 mm clear epoxy package
- UV transparent resin
- Chip material based on GaN



### ■ Absolute Maximum Ratings (Ta = 25°C)

Parameter	Symbol	Value	Unit
Power Dissipation	$P_d$	100	mW
Continuous Forward Current	$I_F$	25	mA
Reverse Voltage	$V_R$	5	V
Operating Temperature	$T_{opr}$	-20 to +80	°C
Storage Temperature	$T_{stg}$	-30 to +100	°C
Soldering Temperature	$T_{sol}^{*2}$	280 (with in 3 seconds)	°C

\*1  $I_{FM}$  conditions : Pulse width  $T_w \leq 0.1$ msec. Duty ratio  $\leq 1/10$

\*2 Soldering portion of lead: 3mm from bottom face of resin package.

### ■ Electro-Optical Characteristics (Ta = 25°C)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F = 20$ mA	-	3.7	4.9	V
Reverse Current	$I_R$	$V_F = 5$ V			10	$\mu$ A
Radiant Flux	$P_O$	$I_F = 20$ mA		2		mW
Viewing Angle	$2\theta_{1/2}$	$I_F = 20$ mA		30		deg
Peak Wavelength	$\lambda_p$	$I_F = 20$ mA	380	385	388	nm
Spectrum Radiation Bandwidth	$\Delta\lambda$	$I_F = 20$ mA		18		nm

