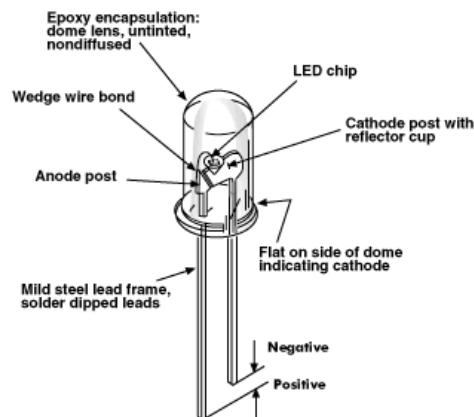


RLU385-2-30

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 $T_w \leq 0.1\text{msec}$. 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	$I_F = 20\text{ mA}$	-	3.7	4.9	V
Reverse Current	I_R	$V_F = 5\text{ V}$			10	μA
Radiant Flux	P_O	$I_F = 20\text{ mA}$		2		mW
Viewing Angle	$2\theta_{1/2}$	$I_F = 20\text{ mA}$		30		deg
Peak Wavelength	λ_p	$I_F = 20\text{ mA}$	380	385	388	nm
Spectrum Radiation Bandwidth	$\Delta\lambda$	$I_F = 20\text{ mA}$		18		nm

