LN1451CTR

Surface Mounting Chip LED

Ј Туре

Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit	
Power dissipation	P _D	45	mW	
Forward current	I _F	15	mA	
Pulse forward current *	I _{FP}	60	mA	
Reverse voltage	V _R	4	V	
Operating ambient temperature	T _{opr}	-25 to +80	°C	
Storage temperature	T _{stg}	-30 to +85	°C	

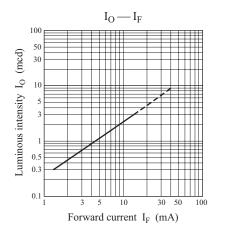
Lighting Color

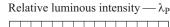
• Amber

Note) *: The condition of IFP is duty 10%, Pulse width 1 msec.

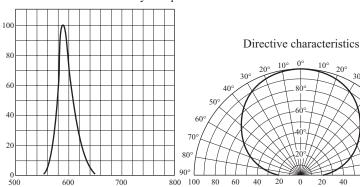
Electro-Optical Characteristics $T_a = 25^{\circ}C$

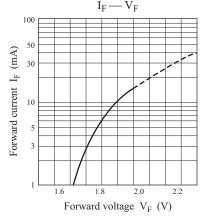
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Luminous intensity	I _O	$I_{\rm F} = 10 {\rm mA}$	0.8	2.2		mcd
Reverse current	I _R	$V_R = 4 V$			10	μΑ
Forward voltage	V _F	$I_{\rm F} = 15 \text{ mA}$		2.1	2.8	V
Peak emission wavelength	$\lambda_{\rm P}$	$I_{\rm F} = 15 \text{ mA}$		590		nm
Spectral half band width	Δλ	$I_{\rm F} = 20 \text{ mA}$		30		nm

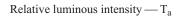


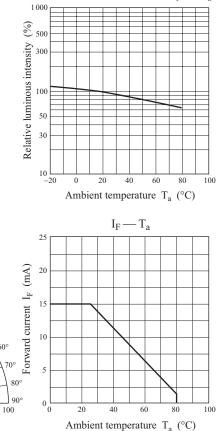


Peak emission wavelength λ_P (nm)









Relative luminous intensity (%)

0 Relative luminous intensity (%)

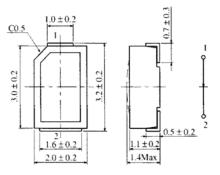
20 40 60 80

20

LN1451CTR

Package (Unit: mm)





- Pin name
 - 1: Anode

2: Cathode

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