

# LT-C249-ALI

## DATA SHEET

SPEC. NO. : SZ18061601  
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Approved By:

Checked By:

Prepared By:





**LIGHT ELECTRONICS CO., LTD.**



## 6. Electrical Optical Characteristics at TA = 25°C

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Radiant Intensity (tp=10us, duty cycle = 1%)	$I_E$	14	35	80	mW/sr	$I_F = 70\text{mA}$
		20	50	114		$I_F = 100\text{mA}$
Peak Emission Wavelength	$\lambda_{\text{Peak}}$	-	855	-	nm	$I_F = 100\text{mA}$
Spectral Line Half-Width	$\Delta \lambda$	-	30	-	nm	$I_F = 100\text{mA}$
Forward Voltage	$V_F$	-	1.6	2.0	V	$I_F = 100\text{mA}$
Reverse Current	$I_R$	-	-	10	uA	$V_R = 5\text{V}$
Rise/Fall Time	$T_r/T_f$	-	13	-	ns	$I_F = 100\text{mA}$ $R_{\text{Load}} = 50\text{ohm}$ 10% ~90%
Viewing Angle	$2\theta_{1/2}$	-	30	-	deg	X-direction
Viewing Angle	$2\theta_{1/2}$	-	24	-	deg	Y-direction











