

LT-C249-ALI DATA SHEET

SPEC. NO. : SZ18061601
DATE : 2021/04/16
REV. : A/4

Approved By:

Checked By:

Prepared By:

LIGHT



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	λ_{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



