



Win Strong Electronics Co.,Ltd.

WS-AL25393C

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Rating	Units
Continuous Forward Current	I _F	350	mA
Reverse Voltage	V _R	5	V
Operating Temperature	T _{opr}	-40 ~ +100	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Thermal resistance (junction to leadframe)	R _{th(j-L)}	20	K/W
Soldering Temperature*1	T _{sol}	260 ±5	°C
Power Dissipation at(or below) 25°C Free Air Temperature	P _d	0.5	W

Notes: *1:Soldering time ≤ 5 seconds.

Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Radiant Intensity	E _e	I _F =150mA	100	200	300	mW/sr
		I _F =350mA		470	--	
Peak Wavelength	λ _p	I _F =20mA	--	850	--	nm
Spectral Bandwidth	Δλ	I _F =20mA	--	50	--	nm
Forward Voltage	V _F	I _F =150mA	--	1.5	2.1	V
		I _F =350mA	--	1.7	2.4	
Reverse Current	I _R	V _R =5V	--	--	10	μA
View Angle	2θ _{1/2}	I _F =20mA	--	25	--	deg
Rise Time	T _r	I _F =20mA	--	11	--	ns
Fall Time	T _f	I _F =20mA	--	7	--	ns

