

LED Specifications

Absolute Maximum Ratings (Ta=25°C)				Electro-Optical Characteristics (Ta=25°C)						
Parameter	Symbol	Rating	Unit	Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Reverse Voltage	V _R	5	V	Luminous Intensity	I _V	-----	2	-----	mcd	I _F =2mA
Forward Current	I _F	25	mA			14	37	-----	mcd	I _F =20mA
Operating Temperature	T _{opr}	-40 ~ +85	°C	Viewing Angle	2θ 1/2	-----	140	-----	deg	I _F =20mA
Storage Temperature	T _{stg}	-40 ~ +90	°C	Peak Wavelength	λ _p	-----	632	-----	nm	I _F =20mA
Soldering Temperature	T _{sol}	260 for 5 seconds	°C	Dominant Wavelength	λ _d	-----	624	-----	nm	I _F =20mA
Electrostatic Discharge	ESD	2000	V	Spectrum Radiation Bandwidth	Δλ	-----	20	-----	nm	I _F =20mA
Power Dissipation	P _d	60	mW	Forward Voltage	V _F	-----	2.0	2.4	V	I _F =20mA
Peak Forward Current (Duty 1/10 @ 1KHz)	I _F	160	mA	Reverse Current	I _R	-----	-----	10	μA	V _R =5V

Absolute Maximum Ratings (Ta=25°C)				Electro-Optical Characteristics (Ta=25°C)						
Parameter	Symbol	Rating	Unit	Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Reverse Voltage	V _R	5	V	Luminous Intensity	I _V	-----	2	-----	mcd	I _F =2mA
Forward Current	I _F	25	mA			11	30	-----	mcd	I _F =20mA
Operating Temperature	T _{opr}	-40 ~ +85	°C	Viewing Angle	2θ 1/2	-----	140	-----	deg	I _F =20mA
Storage Temperature	T _{stg}	-40 ~ +90	°C	Peak Wavelength	λ _p	-----	611	-----	nm	I _F =20mA
Soldering Temperature	T _{sol}	260 for 5 seconds	°C	Dominant Wavelength	λ _d	-----	605	-----	nm	I _F =20mA
Electrostatic Discharge	ESD	2000	V	Spectrum Radiation Bandwidth	Δλ	-----	17	-----	nm	I _F =20mA
Power Dissipation	P _d	60	mW	Forward Voltage	V _F	-----	2.0	2.4	V	I _F =20mA
Peak Forward Current (Duty 1/10 @ 1KHz)	I _F	160	mA	Reverse Current	I _R	-----	-----	10	μA	V _R =5V

Absolute Maximum Ratings (Ta=25°C)				Electro-Optical Characteristics (Ta=25°C)						
Parameter	Symbol	Rating	Unit	Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Reverse Voltage	V _R	5	V	Luminous Intensity	I _V	-----	2	-----	mcd	I _F =2mA
Forward Current	I _F	25	mA			14	38	-----	mcd	I _F =20mA
Operating Temperature	T _{opr}	-40 ~ +85	°C	Viewing Angle	2θ 1/2	-----	140	-----	deg	I _F =20mA
Storage Temperature	T _{stg}	-40 ~ +90	°C	Peak Wavelength	λ _p	-----	591	-----	nm	I _F =20mA
Soldering Temperature	T _{sol}	260 for 5 seconds	°C	Dominant Wavelength	λ _d	-----	589	-----	nm	I _F =20mA
Electrostatic Discharge	ESD	2000	V	Spectrum Radiation Bandwidth	Δλ	-----	15	-----	nm	I _F =20mA
Power Dissipation	P _d	60	mW	Forward Voltage	V _F	-----	2.0	2.4	V	I _F =20mA
Peak Forward Current (Duty 1/10 @ 1KHz)	I _F	160	mA	Reverse Current	I _R	-----	-----	10	μA	V _R =5V

Absolute Maximum Ratings (Ta=25°C)				Electro-Optical Characteristics (Ta=25°C)						
Parameter	Symbol	Rating	Unit	Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Reverse Voltage	V _R	5	V	Luminous Intensity	I _V	-----	1	-----	mcd	I _F =2mA
Forward Current	I _F	25	mA			9	14	-----	mcd	I _F =20mA
Operating Temperature	T _{opr}	-40 ~ +85	°C	Viewing Angle	2θ 1/2	-----	140	-----	deg	I _F =20mA
Storage Temperature	T _{stg}	-40 ~ +90	°C	Peak Wavelength	λ _p	-----	575	-----	nm	I _F =20mA
Soldering Temperature	T _{sol}	260 for 5 seconds	°C	Dominant Wavelength	λ _d	-----	573	-----	nm	I _F =20mA
Electrostatic Discharge	ESD	2000	V	Spectrum Radiation Bandwidth	Δλ	-----	20	-----	nm	I _F =20mA
Power Dissipation	P _d	60	mW	Forward Voltage	V _F	-----	2.0	2.4	V	I _F =20mA
Peak Forward Current (Duty 1/10 @ 1KHz)	I _F	160	mA	Reverse Current	I _R	-----	-----	10	μA	V _R =5V