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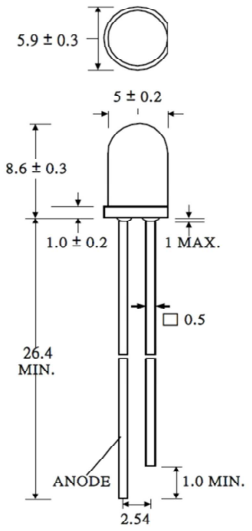
Data sheet

Blue LED — EOLD-470-523

Rev. 04, 2017

Radiation	Type	Case
Blue	InGaN	5 mm water clear plastic lens



All dimensions in mm

Description:

- Super bright LED
- Emitted color: blue
- High luminous intensity
- Without stand-off

Maximum Ratings

T_{amb}= 25°C, unless otherwise specified

Parameter	Test Conditions	Symbol	Value	Unit
Power dissipation		P_D	120	mW
Peak forward current	Duty cycle 1/10 @ 1 kHz	I_{FP}	100	mA
Continous forward current		I_F	30	mA
Reverse voltage		V_R	5	V
Operating temperature range		T_{amb}	-40 to +85	°C
Storage temperature range		T_{stg}	-40 to +85	°C
Lead soldering temperature	t =3 s, 1.6 mm from case	T_{slg}	260	°C

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Radiation	Type	Case
Blue	InGaN	5 mm water clear plastic lens

Optical and Electrical Characteristics

T_{amb}= 25°C, unless otherwise specified

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	I_F= 20 mA		3.2	3.8	V
Reverse current	I_R	V_R=5 V			10	µA
Peak wavelength	λ_p	I_F= 20 mA		468		nm
Dominant wavelength	λ_D	I_F= 20 mA		470		nm
FWHM	$\Delta\lambda_{0.5}$	I_F= 20 mA		22		nm
Viewing angle	φ	I_F= 20 mA		15		deg.
Luminous intensity	I_V	I_F= 20 mA	8000	9000		mcd
Luminous flux	Φ_V	I_F= 20 mA		700		mlm
Radiant intensity	I_e	I_F= 20 mA		100		mW/sr
Radiant power	Φ_e	I_F= 20 mA		15		mW

Art. No. 132 034

RoHS COMPLIANT Pb Pb-Free