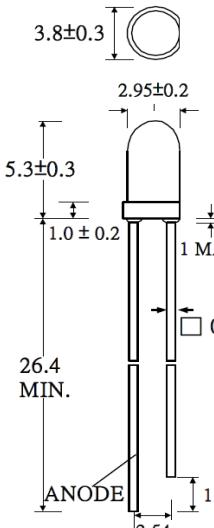


Data sheet
Red LED
EOLD-625-333
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Radiation	Type	Case
Red	AllInGaP	3 mm water clear plastic lens

 All dimensions in mm	Description:
	- Super bright LED - Emitted color: red - Without stand-off
 	

Maximum Ratings

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

Parameter	Test Conditions	Symbol	Value	Unit
Power dissipation		P _D	125	mW
Continous forward current		I _F	50	mA
Peak forward current	1/10 duty cycle @ 1 kHz	I _{FP}	100	mA
Reverse voltage		V _R	5	V
Reverse current	V _R = 5 V	I _R	10	µA
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 _{sld}	260	°C

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		2.2	2.7	V
Peak wavelength	λ _p	I _F = 20 mA		630		nm
Dominant wavelength	λ _D	I _F = 20 mA		625		nm
FWHM	Δλ _{0.5}	I _F = 20 mA		20		nm
Viewing angle	φ	I _F = 20 mA		30		deg.
Luminous intensity	I _V	I _F = 20 mA	3300	5000		mcd

We reserve the right to make changes to improve technical design and may do so without further notice. Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.



Data sheet

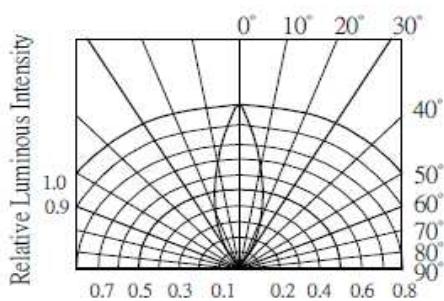
Red LED

EOLD-625-333

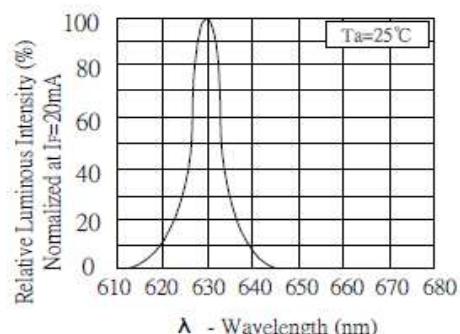
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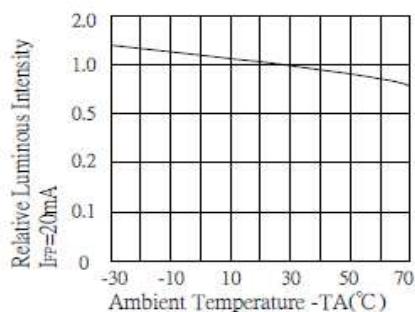
TYPICAL OPTICAL-ELECTRICAL CHARACTERISTIC CURVES



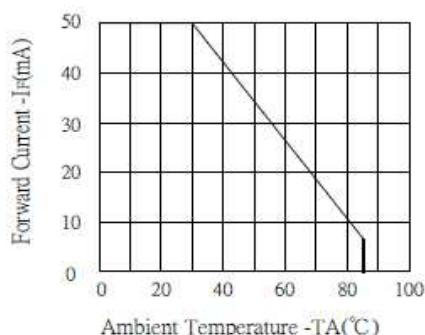
RADIATION DIAGRAM



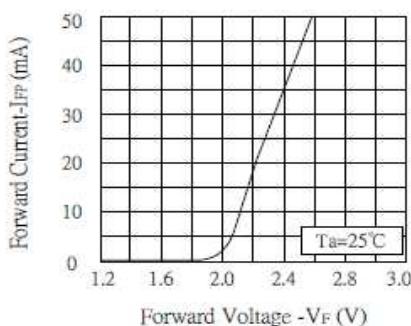
RELATIVE LUMINOUS INTENSITY
Vs. WAVELENGTH



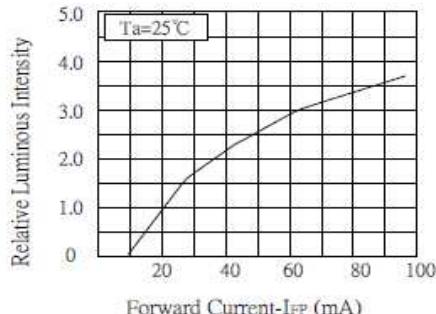
LUMINOUS INTENSITY
Vs. AMBIENT TEMPERATURE



MAX FORWARD CURRENT
Vs. AMBIENT TEMPERATURE



FORWARD CURRENT
Vs. FORWARD VOLTAGE



LUMINOUS INTENSITY
Vs. FORWARD CURRENT

Art. No. 131 037



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