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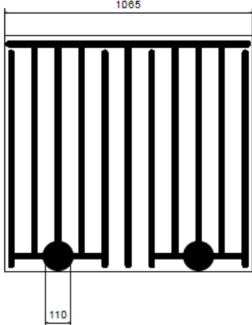
Data Sheet

LED Chip red

EOLC-630-21

Rev. 04, 2020

Radiation	Type	Electrodes
Red	MQW, AlInGaP/Si	N (cathode) up

	<p>typ. dimension in μm (tolerance $\pm 25 \mu\text{m}$)</p> <p>typ. thickness 225 μm</p> <p>cathode: gold alloy</p> <p>anode: gold alloy</p>
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Optical and Electrical Characteristics

$T_{\text{amb}} = 25^\circ\text{C}$, unless otherwise specified

Parameter	Test cond.	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 20 \text{ mA}$	V_F		1.8	2.3	V
Forward voltage	$I_F = 350 \text{ mA}$	V_F		2.2	3	V
Reverse voltage	$I_R = 5 \mu\text{A}$	V_R	10			V
Radiant power*	$I_F = 20 \text{ mA}$	Φ_e		10		mW
Luminous intensity*	$I_F = 20 \text{ mA}$	I_V	370	500		mcd
Luminous intensity*	$I_F = 350 \text{ mA}$	I_V	9000	11000		mcd
Peak wavelength	$I_F = 350 \text{ mA}$	λ_p		635		nm
Dominant wavelength	$I_F = 350 \text{ mA}$	λ_D	619	624	629	nm
FWHM	$I_F = 350 \text{ mA}$	$\Delta\lambda_{0.5}$		20		nm
Junction capacitance	$V = 0 \text{ V}$	C_J		185		pF

*Measured on bare chip on TO-39 header

Packing

Chips on adhesive film with wire bond side up

Art. No. 112 007



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.