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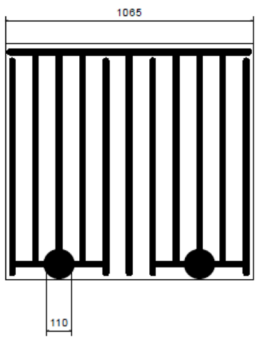
Data Sheet

LED Chip red EOLC-630-21

Rev. 04, 2020

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



typ. dimension in µm (tolerance ±25 µm)

typ. thickness 225 µm

cathode: gold alloy

anode: gold alloy

Optical and Electrical Characteristics

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

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

RoHS COMPLIANT Pb-Free