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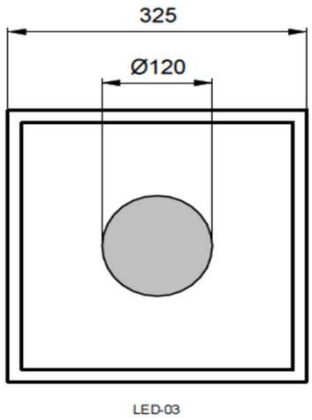
Data Sheet

LED Chip deep red EOLC-680-25

Rev. 03, 2017

Radiation	Type	Electrodes
deep red	AlGaAs/AlGaAs, DDH	N (cathode) up



Dimensions

Typ. thickness: 150±25 µm

Cathode: gold alloy, thickness 1.5 µm

Anode: gold alloy, thickness 0.5 µm, structured, 25% covered

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		1.9	2.3	V
Reverse voltage	I_R=100 µA	V_R	5			V
Radiant power*	I_F=20 mA	Φ_e	1.7	3		mW
Peak wavelength	I_F=20 mA	λ_p	670	680	690	nm
FWHM	I_F=20 mA	$\Delta\lambda_{0.5}$		25		nm
Switching time	I_F=20 mA	t_r, t_f		40		ns

*Measured on bare chip on TO-18 header

Packing

Chips on adhesive film with wire bond side up

Art. No. 112 003

RoHS COMPLIANT Pb Pb-Free

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.