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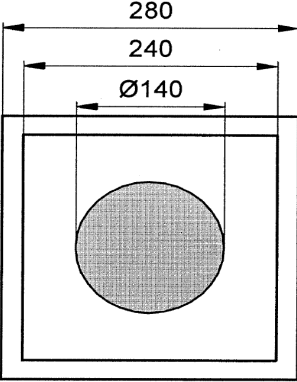
Data Sheet

LED Chip deep red

EOLC-660-23-1D

Rev. 03, 2017

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

	typ. dimensions (µm)
	typ. thickness: 160 ± 20 µm cathode: gold alloy, thickness 1.5 µm anode: gold alloy, thickness 0.5 µm

Optical and Electrical Characteristics

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

Parameter	Test cond.	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 20$ mA	V_F		1.8	2.3	V
Reverse voltage	$I_R = 10$ µA	V_R	5			V
Radiant power*	$I_F = 20$ mA	Φ_e	1.5	1.8		mW
Radiant power**	$I_F = 20$ mA	Φ_e		2.8		mW
Luminous intensity*	$I_F = 20$ mA	I_v	35			mcd
Luminous intensity**	$I_F = 20$ mA	I_v		55		mcd
Peak wavelength	$I_F = 20$ mA	λ_p	657	660	663	nm
FWHM	$I_F = 20$ mA	$\Delta\lambda_{0.5}$		25		nm
Switching times	$I_F = 20$ mA	t_r, t_f		80; 90		ns

*Measured on bare chip on TO-18 header

**Measured on epoxy-covered chip on TO-18 header

Packing

Chips on adhesive film with wire-bond side top

Art. No. 112 001



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.