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customized optoelectronics



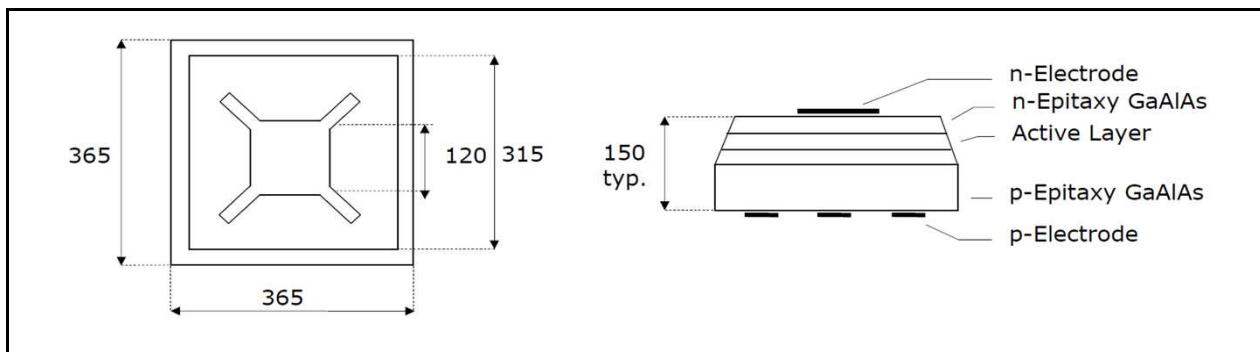
Product Data Sheet

LED Chip Infra Red

EOLC-810-27

Rev. 01 aus 2011

Radiation	Type	Electrodes
Infra Red	DDH	N (cathode) up



Optical and Electrical Characteristics

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

Parameter	Test cond.	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 20\text{mA}$	V_F		1.60	1.90	V
Reverse voltage	$I_R = 100\mu\text{A}$	V_R	5			V
Output Power*	$I_F = 20\text{mA}$	Φ_e	2.5	3.2		mW
Switching time	$I_F = 20\text{mA}$	t_r, t_f		45/30		ns
Peak wavelength	$I_F = 20\text{mA}$	λ_p	805	810	810	nm
Spectral bandwidth at 50%	$I_F = 20\text{mA}$	$\Delta\lambda_{0.5}$		27		nm

*Power measurement on gold plate

Labeling

Type	Lot N°	Φ_e (typ) [mW]	V_F (typ) [V]	Qty.
EOLC-810-27				

Packing

Chips on adhesive film with wire bond side up

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.