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customized optoelectronics



Product Data Sheet

LED Chip Vis

EOLC-660-23-1

Rev. 01 aus 2011

Radiation	Type	Electrodes
Red	DDH	N (cathode) up

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

Optical and Electrical Characteristics

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

Parameter	Test cond.	Symbol	Min	Typ	Max	Unit
Forward voltage	I _F =20mA	V _F		1.8	2.3	V
Reverse voltage	I _R =10µA	V _R	5			V
Radiant power ¹	I _F =20mA	Φ _e	1.5	1.8		mW
Radiant power ²	I _F =20mA	Φ _e		2.8		mW
Luminous intensity ¹	I _F =20mA	I _v	35			mcd
Luminous intensity ²	I _F =20mA	I _v		55		mcd
Peak wavelength	I _F =20mA	λ _p	657	660	663	nm
Spectral bandwidth at 50%	I _F =20mA	Δλ _{0.5}		25		nm
Switching time	I _F =20mA	t _r , t _f		80/ 90		ns

¹ Measured on bare chip on TO18 header

² Measured on epoxy covered chip on TO18 header

Labeling

Type	Lot N°	Φ _e (typ) [mW]	V _F (typ) [V]	Quantity
EOLC-660-23-1				

Packing

Chips on adhesive film with wire-bond side top