

LED - Chip

ELC-1300-17

Preliminary

10.04.2007

rev. 04/06

查询"ELC-1300-17"供应商

Radiation	Type	Technology	Electrodes
Infrared	MQW	InGaAs/InP	P (anode) up

<p>LED-11</p>	typ. dimensions (μm)	
	typ. thickness 260 (±20) μm anode gold alloy, 1.5 μm cathode gold alloy, 0.5 μm	

Maximum Ratings

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

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Forward current (DC)		I _F			100	mA
Peak forward current	t _p ≤ 50 μs, t _p /T = 1/2	I _{FM}			200	mA

Optical and Electrical Characteristics

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

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	I _F = 20 mA	V _F		0.85	1.0	V
Forward voltage	I _F = 100 mA	V _F		0.95	1.1	V
Reverse voltage	I _R = 100 μA	V _R	5			V
Radiant power ¹	I _F = 20 mA	Φ _e	0.65	0.95		mW
Radiant power ¹	I _F = 100 mA	Φ _e	2.5	3.5		mW
Radiant power ²	I _F = 100 mA	Φ _e		7.0		mW
Peak wavelength	I _F = 100 mA	λ _p	1250	1300	1350	nm
Spectral bandwidth at 50%	I _F = 100 mA	Δλ _{0.5}		70		nm
Switching time	I _F = 100 mA	t _r , t _f		10		ns

¹ Measured on bare chip on TO-18 header with *EPIGAP* equipment

² Measured on epoxy covered chip on TO-18 header with *EPIGAP* equipment

Labeling

Type	Lot N°	Φ _e (typ) [mW]	V _F (typ) [V]	Quantity
ELC-1300-17				

Packing: Chips on adhesive film with wire-bond side on top



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