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customized optoelectronics



Product Data Sheet

LED Lamp UV

EOLD-355-525

Rev. 01 aus 2011

Radiation	Type	Case
Ultra violet	resin mold packaged	5mm plastic lens

	Description: Dimension in mm High power, high-speed, narrow beam angle, high reliability
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Maximum Ratings

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

Parameter	Test Conditions	Symbol	Value	Unit
Forward Current		I_F	25	mA
Peak forward current	(d. c. < 1/10, p. width < 0.1msec)	I_{FM}	100	mA
Reverse voltage	$I_R = 100 \mu\text{A}$	I_R	85	mA
Power dissipation		P_D	100	mW
Operating temp. range		T_{amb}	-30 to +80	$^{\circ}\text{C}$
Storage temp. range		T_{stg}	-30 to +85	$^{\circ}\text{C}$
Lead soldering temp.	< 5s, 3mm from case	T_{slg}	260	$^{\circ}\text{C}$

Optical and Electrical Characteristics

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

Parameter	Symbol	Conditions	Min	typ	max	Unit
Forward voltage	V_F	$I_F = 20\text{mA}$	3.0	3.6	4.2	V
Radiant Power	Φ_e	$I_F = 20\text{mA}$		1.2		mW
Peak wavelength	λ_p	$I_F = 20\text{mA}$	353		360	nm
Viewing angle	φ	$I_F = 20\text{mA}$		15		deg.
Spectral bandwidth at 50%	$\Delta\lambda_{0,5}$	$I_F = 20\text{mA}$		15		nm

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.