

# EPIGAP Optronik GmbH

Koepenicker Str. 325  
 D-12555 Berlin  
 Fon: +49 (0)30 657637 60  
 Fax: +49 (0)30 657637 70  
 sales@epigap-optronic.de



## Data Sheet

Page 1 of 2

### Deep red LED

### EOLD-660-525

Rev. 02, 2019

Radiation	Type	Case
Deep red	AlGaAs / AlGaAs, DDH	5 mm plastic lens

Description:	
<p>Notes:</p> <ol style="list-style-type: none"> <li>All dimensions are in millimeter</li> <li>Lead spacing is measured where the lead emerge from the package</li> </ol>	<p>Super bright LED, round type, 5 mm diameter, lens color: water clear, with flange, housing without standoff leads, complaint with RoHS</p>

### 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	1/10 duty cycle @1 kHz	$I_{FM}$	50	mA
Reverse voltage		$V_R$	5	V
Power dissipation		$P_D$	60	mW
Operating temperature range		$T_{amb}$	-40 to +85	$^{\circ}\text{C}$
Storage temperature range		$T_{stg}$	-40 to +85	$^{\circ}\text{C}$
Lead soldering temperature	$t < 5$ s, 3 mm from case	$T_{sol}$	260	$^{\circ}\text{C}$

### Optical and Electrical Characteristics

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



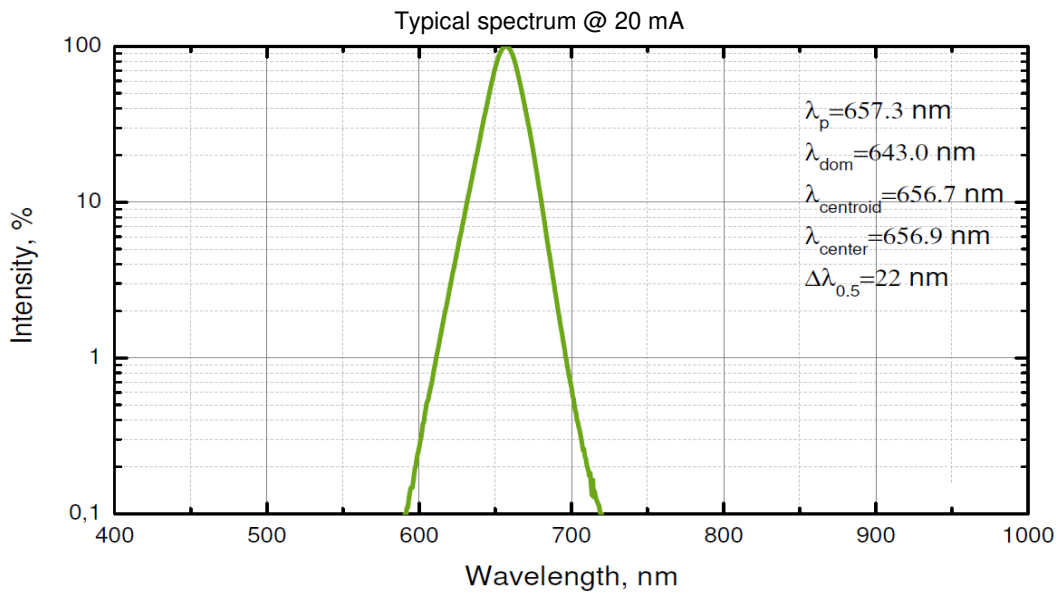
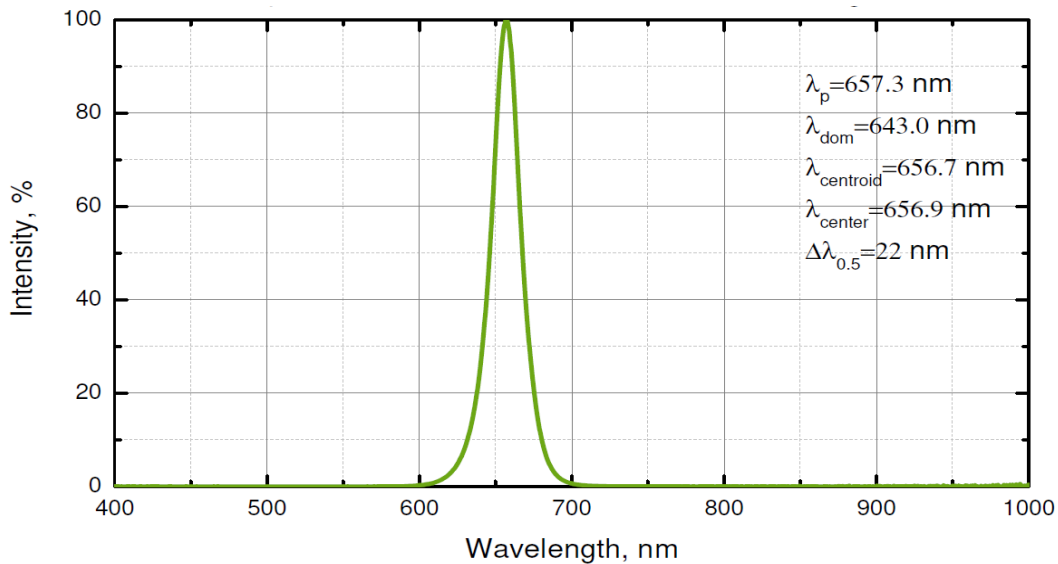
Parameter	Symbol	Conditions	Min	typ	max	Unit
Forward voltage	$V_F$	$I_F = 20$ mA		1.8	2.3	V
Reverse voltage	$V_R$	$I_R = 10$ $\mu\text{A}$	5			V
Radiant power	$\Phi_e$	$I_F = 20$ mA		6		mW
Peak wavelength	$\lambda_p$	$I_F = 20$ mA	657	660	663	nm
Centroid wavelength	$\lambda_C$	$I_F = 20$ mA	650	655	660	nm
Dominant wavelength	$\lambda_D$	$I_F = 20$ mA		645		nm
FWHM	$\Delta\lambda_{0.5}$	$I_F = 20$ mA		25		nm
Viewing angle	$\varphi$	$I_F = 20$ mA		20		deg.
Switching times	$t_r, t_f$	$I_F = 20$ mA		80; 90		ns

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.

**Data Sheet**

**Deep red LED**

**EOLD-660-525**



Typical spectrum @ 20 mA

Art. No. 430 059



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.