

## LG-245IRUR2C-677J DATA SHEET

SPEC.NO. : SZ19121801  
DATE : 2019/12/18  
REV. : A/0



## Model No. List

Our Photo Optic Components line includes both emitter and detector assemblies. The emitter series include one Red LED at 660nm and an accompanying Infrared LED at either 905nm or 940nm. We offer three choices of packaging: clear epoxy molded lead frame and leadless ceramic or COB. You may use the pairing table below to conveniently match your needs to our offering.

	660nm	
905nm		940nm
PCB		COB

Name	Model	RED	IR1	IR2	Package
660/905	LG-245IRUR2C-677J	660	905 nm	N/A	2-Pin,

## Absolute Maximum Ratings at TA=25

( 25 )

Parameter	Symbol	Max.	Unit	Note
Power Dissipation	$P_d$	60	mW	---
Forward Current	$I_F$	20	mA	---
Peak Forward Current	$I_{FP}$	100	mA	1/10 Duty cycle, 0.1ms pulse width (1/10 , 0.1ms )

Reverse Voltage

$V_R$

5

V

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## Electrical / Optical Characteristics at TA=25

(25 / )

Parameter	Symbol	Min.	Typ.	Max.	Units	Test Conditions
					( )	( )
Forward Voltage	V <sub>F</sub>	--	1.35	1.50	V	I <sub>F</sub> =20mA
Peak Wavelength	λ	886	895	906	nm	I <sub>F</sub> =20mA
Spectral Line Half Width		--	50	--	nm	I <sub>F</sub> =100mA
Radiant Power	P <sub>o</sub>	0.8	1.7	--	mW	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>	--	--	10	μA	V <sub>R</sub> =5V
Optical Rise Time	T <sub>R</sub>	--	600	--	ns	I <sub>F</sub> =50mA
Optical Fall Time	T <sub>F</sub>	--	300	--	ns	I <sub>F</sub> =50mA

Dimension:

**Notes:** 1.All dimensions are in millimeters  
2.Tolerances unless dimensions  $\pm 0.1\text{mm}$