



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

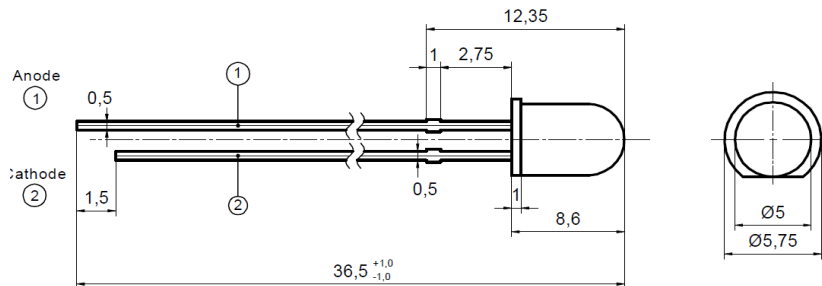
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Peak Emission Wavelength: 1650nm



Description

- Standard 5mm plastic lens package housed without standoff leads
- Type: MQW
- High power
- High speed infrared

Application

- Optical communication
- Safety equipment
- Automation

Absolute Maximum Ratings (Ta=25°C)



ITEMS	TEST CONDITIONS	SYMBOL	RATINGS	UNIT
Forward DC Current		If	100	mA
Peak Forward Current	(tp ≤ 50us, tp/T=1/2)	Ifp	200	mA
Power Dissipation		Pd	150	mW
Operating Temperature Range		Top	-20 to +80	°C
Storage Temperature Range		Tstg	-55 to +100	°C
Lead Soldering Temperature	t<5s, 3mm from case	Tslg	260	°C

Electrical & Optical Characteristics (Ta = 25°C)

ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	Vf	If=20mA	--	0.7	0.95	V
Forward Voltage	Vf	If=100mA	--	0.8	1	V
Reverse Voltage	Vr	Ir=10uA	5	--	--	V
Radiant Power	Φe	If=20mA	1.1	1.5	--	mW
Radiant Power	Φe	If=100mA	3.4	5	--	mW
Radiant Intensity	Ie	If=20mA	--	5.3	--	mW/sr
Radiant Intensity	Ie	If=100mA	--	25	--	mW/sr
Peak Wavelength	λp	If=20mA	1610	1650	1690	nm
Spectral Bandwidth at 50%	Δλ0.5	If=20mA	--	100	--	nm
Viewing Angle	φ	If=20mA	--	20	--	deg
Switching Time	tr, tf	If=20mA	--	25, 45	--	ns