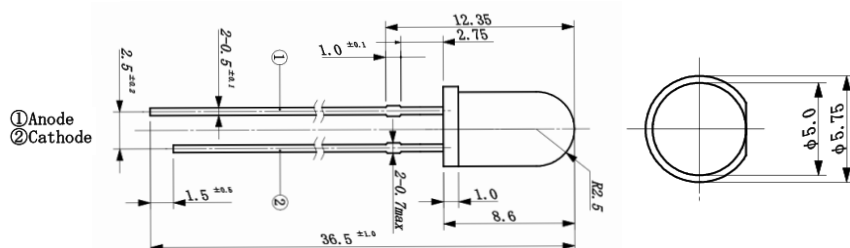


Peak Emission Wavelength: 1200nm



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)

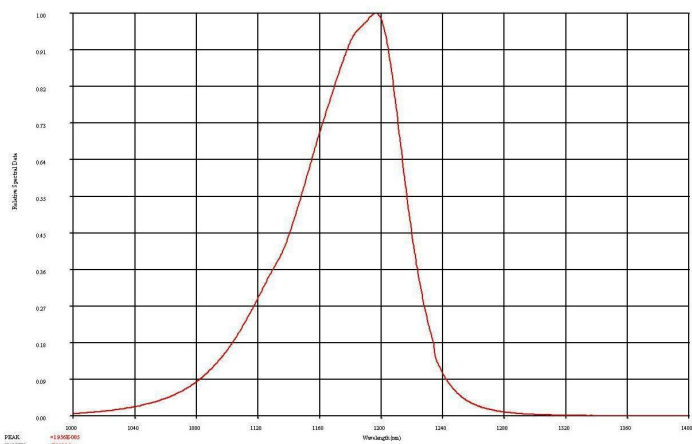


ITEMS	TEST CONDITIONS	SYMBOL	RATINGS	UNIT
Forward DC Current		If	100	mA
Peak Forward Current	(tp ≤ 50us, tp/T=1/2)	Ifp	1	A
Power Dissipation		Pd	100	mW
Operating Temperature Range		Top	-40 to +85	°C
Storage Temperature Range		Tstg	-55 to +100	°C
Lead Soldering Temperature	t<5s, 3mm from case	Tslg	260	°C

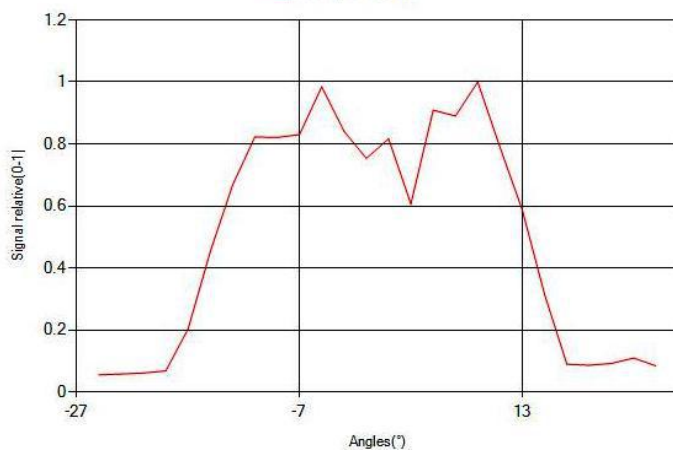
Electrical & Optical Characteristics (Ta = 25°C)

ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	Vf	If=50mA	--	1.15	--	V
Reverse Voltage	Vr	Ir=5uA	--	5.0	--	V
Radiant Power	Φe	If=50mA	--	13.3	--	mW
Peak Wavelength	λp	If=50mA	--	1200	--	nm
Spectral Bandwidth at 50%	Δλ0.5	If=50mA	--	74	--	nm
Viewing Angle	φ	If=50mA	--	28	--	deg
Switching Time	tr, tf	If=100mA	--	22,42	--	ns

Spectral Plot



Radiation Distribution



Radiation Pattern

