

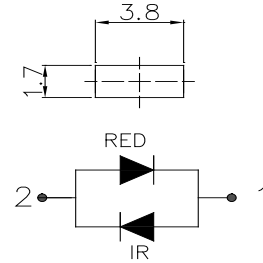
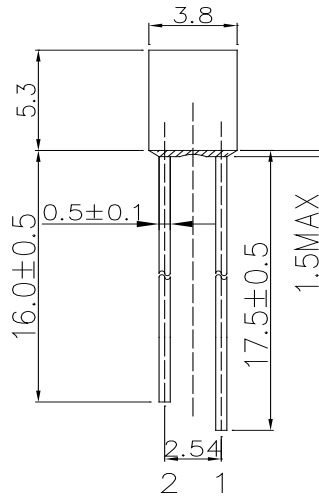
■Features

- High Radiant Power LED
- 5.3x3.8x1.7mm Rectangular Standard Directivity
- UV Resistant Epoxy
- Water Clear Type
- Side View

■Applications

- SPO2
- Medical Instrumentation
- Radiometric Instruments

■Outline Dimension



Unit: mm
Tolerance: ±0.20mm
unless otherwise noted

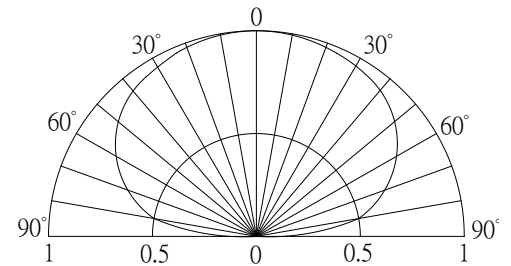
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		IR	Red	
DC Forward Current	I _F	30	30	mA
Pulse Forward Current#	I _{FP}	100	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	85	72	mW
Operating Temperature	T _{opr}	-30 ~ +85		°C
Storage Temperature	T _{stg}	-40 ~ +100		°C
Lead Soldering Temperature	T _{sol}	260°C/5sec		-

#Pulse width Max.10ms Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Item	Color.	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	Red	V _F	I _{F1} =20mA	-	2.0	2.4	V
	Infrared	V _F	I _{F2} =20mA	-	1.3	1.7	V
DC Reverse Current	Red	I _R	V _R =5V	-	-	10	μA
	Infrared	I _R	V _R =5V	-	-	10	μA
Peak Wavelength*2	Red	λ _p	I _{F1} =20mA	-	660	-	nm
	Infrared	λ _p	I _{F1} =20mA	-	905	-	nm
Radiant Power*3	Red	P _O	I _{F2} =20mA	9	-	11	mW
	Infrared		I _F =20mA	1.5	-	2.5	mW
50% Power Angle	Infrared	2θ1/2	I _{F1} =20mA	-	-	-	deg
	Red	2θ1/2	I _{F2} =20mA	-	-	-	deg

*1 Tolerance of measurements of forward voltage is ±0.1V

*2 Tolerance of measurements of peak wavelength is ±1nm

*3 Tolerance of measurements of radiant power is +15%

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Infrared Emitters](#) category:

Click to view products by [Optosupply](#) manufacturer:

Other Similar products are found below :

[LTE-3279K](#) [LTE-4208C](#) [EAILP03RDAA6](#) [LTE-2871C](#) [LTE-4238](#) [ASDL-4264-C22](#) [IR11-21CTR8](#) [OP216-004](#) [LTE-3376](#) [OSIXCA5B41A](#)
[OSI5120631F](#) [IR234C](#) [LTE-C195IRG](#) [ZSIR-3210C-15A-C3](#) [ZSIR-3020C-23A-Z6](#) [IR333C-A\(BY\)\(P\)](#) [IR19-21C/TR8\(BY\)](#) [HIR26-](#)
[21C/L423/CT\(XY\)](#) [IR928-6C/F1\(6-1\)](#) [IR423C/L10/F393\(AMZ\)\(PF\)](#) [EAISV3027A0](#) [HIR26-81B/L423/2T](#) [IR908-7C\(E5\)](#) [IR204-A-L\(BY\)\(M\)](#)
[IR333C-A\(BY\)\(Q\)](#) [IR928-6C\(X8-X12\)\(XBY\)](#) [IR968-8C\(6-2\)](#) [IR204C-A-L\(BY\)\(M\)](#) [IR968-8C\(6-1\)](#) [XYC-HIR76C-LX0](#) [XYC-IRA3020A65-](#)
[SX4](#) [XYC-HIR76C-LX4](#) [XYC-IRA3020A65-SX1](#) [DY-IRS302320C/6.5T](#) [DY-PTS3020268B-6.5TC](#) [DY-IR-8S302320C-6.5T](#) [DY-IR928-6C](#)
[XL-504IRC-940](#) [XL-SD3036HIR-T202](#) [IR12-21C/TR8\(PF\)](#) [NCD3012I1](#) [NCD1005I1](#) [XYC-IR26C-LX4](#) [XYC-IR204C-L4](#) [XYC-IRC18C-24](#)
[XYC-IR76C30-LX4](#) [XYC-IRA0805AC-S4](#) [XYC-HIRWC18C-Z2](#) [XYC-IRP0603AC-A2](#) [XYC-IRA2835A90-X4](#)