

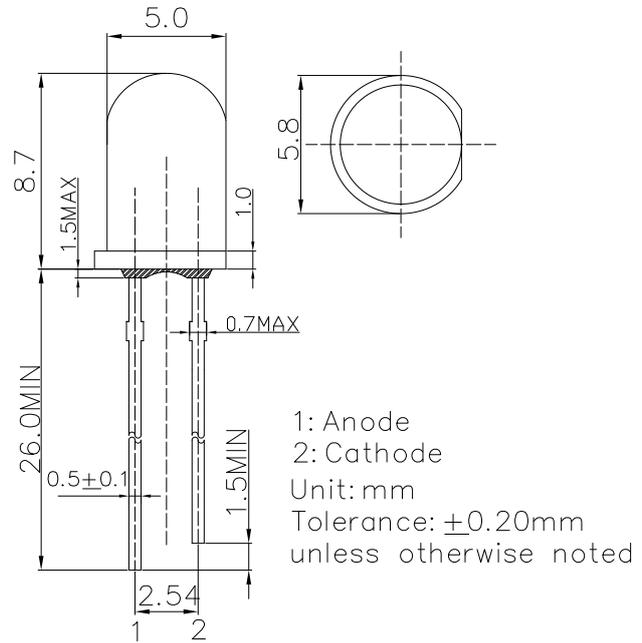
■Features

- High Radiant Power LEDs
- 5mm Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

- IrDA
- Encoder
- Data Communication
- IR camera

■Outline Dimension

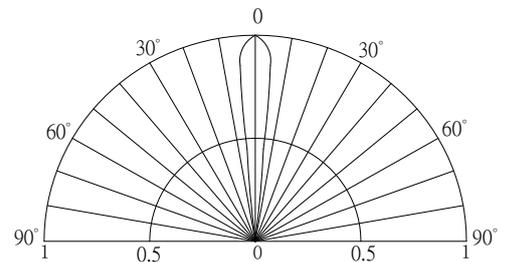


■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	70	mA
Pulse Forward Current#	I_{FP}	300	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	154	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	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V_F	$I_F=50$ mA	-	1.8	2.2	V
DC Reverse Current	I_R	$V_R=5$ V	-	-	10	μ A
Peak Wavelength*2	λ_p	$I_F=50$ mA	765	780	795	nm
Radiant Power*3	Φ_e	$I_F=50$ mA	40	50	-	mW
Radiant Intensity*4	I_e	$I_F=50$ mA	200	250	-	mW/Sr
50% Power Angle	$2\theta_{1/2}$	$I_F=50$ mA	-	15	-	deg

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

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

*3 Tolerance of measurements of Radiant Power is $\pm 15\%$

*4 Tolerance of measurements of Radiant Intensity is $\pm 15\%$

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 :

[IR11-21CTR8](#) [OSIXCA5B41A](#) [OSI5120631F](#) [IR234C](#) [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-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-IR204C-L4](#) [XYC-IRC18C-24](#) [XYC-IR76C30-LX4](#) [XYC-](#)
[IRA0805AC-S4](#) [XYC-HIRWC18C-Z2](#) [XYC-IRP0603AC-A2](#) [XYC-IRA2835A90-X4](#) [XYC-IR333C-L4](#) [XYC-IRA2835AC-J4](#) [XYC-](#)
[IRA2835A15-X4](#) [XYC-IRP3535A120-S22](#) [L-514EIR1C-UEI](#) [SZC191IR1CT](#) [DY-IR204C\(L\)](#) [DY-HIR204B-A2](#) [DY-IR204T-E12](#) [XL-](#)
[TD3216IRC-940](#) [ZSIRR4888C-05](#) [ZIR-Z3224C-A26-T15\(YPX\)](#)