OptoSupply
Light It Up

■Features

- High Luminous Super Flux Output
- 5 ø Standard Directivity
- Long Lifetime Operation
- Low Thermal Resistance
- Superior Weather-Resistance
- UV Resistant Epoxy
- Water Clear Type

■Applications

- Automotive tail, stop, turn signal lamps and interior lighting
- Signage and channel letter
- Decoration and entertainment lighting
- Architectural lighting
- Other Lighting

■Outline Dimension

Unit:mm
Tolerance:±0.3mm
1,4 Cathode
2,3 Anode

■Absolute Maximum Rating   (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	50	mA
Pulse Forward Current*	I_{FP}	120	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	182	mW
Operating Temperature	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-40 ~ +100	℃
Lead Soldering Temperature	Tsol	260℃/5sec	-

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

■Electrical -Optical Characteristics   (Ta=25℃)

| Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	I_F=50mA	1.8	2.1	2.6	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Domi. Wavelength*	λ_D	I_F=50mA	585	590	595	nm
Luminous Intensity*	Iv	I_F=50mA	2000	4000	6000	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=50mA	-	120	-	deg

*1 Tolerance of dominant wavelength is ±1nm

*2 Tolerance of luminous intensity is ±15%
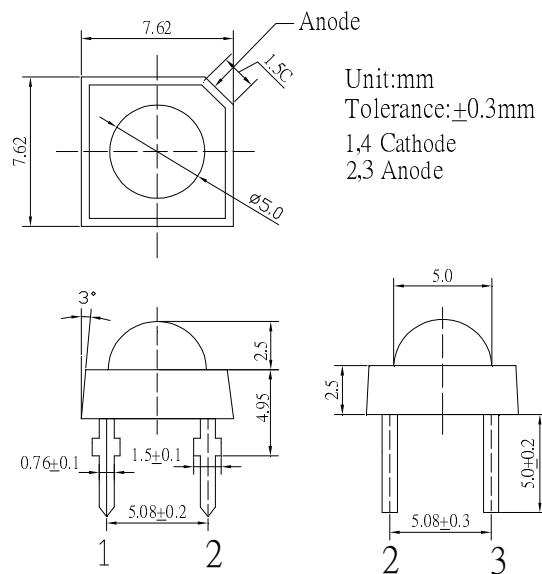
■Directivity
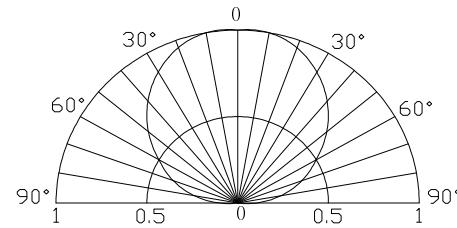
■Maximum Forward Current
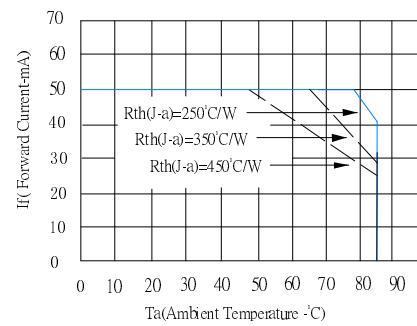
LED & Application Technologies

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Infrared Emitters - High Power *category:*

Click to view products by Optosupply *manufacturer:*

Other Similar products are found below :

IR19-315C/TR8   SFH 4030   SFH 4060   HSM8-V380   HSM9-V380   SFH 5750   PK2S-2KJE-A   PK2S-2LJE-A   PK2S-3KJE-A   PK2S-3KKE-A   PK2S-3LJE-A   PK2S-4KJE-A   AREQ-90C0-00000   AREQ-80C0-00000   SFH 4775S A01   SST-10-IRD-B90H-S810   SFH 4727A   SFH 4726AS   SFH 4717AS   SFH 4725AS   AREQ-8020-00000   HR5P-N3FB-00000   HR5P-N2FB-00000   HR5P-N3CB-00000   HR5P-N2CB-00000   HR5P-N3CA-00000   HR5P-N2CA-00000   HR5P-N2FA-00000   HR5P-N3FA-00000   VSMY2853SLX01   VSMY2853RGX01   VSMY2853GX01   VSMY2850GX01   IN-P281ASGHIR   IN-P281ASGIR   QEE123   HSDL-4400#011   C3535SIR2C-2B   KM-4457F3C   L-53F3BT   VTE1291W-2H   LL-304IRC4B-2AD   LL-503HIRT2E-1CC   LL-503IRC2E-2AC   LL-503IRC2V-2AD   LL-503IRT2E-2AC   LL-503IRT2E-2AE   LL-503SIRC2E-1BD   LL-503SIRC2H-1BE   LL-S170IRC-2A