

S4E38XX

Features

5mm Package
InGaAlP Technology
Water Clear Lens
All Plastic Mold Type
High Power Luminous Intensity

Applications

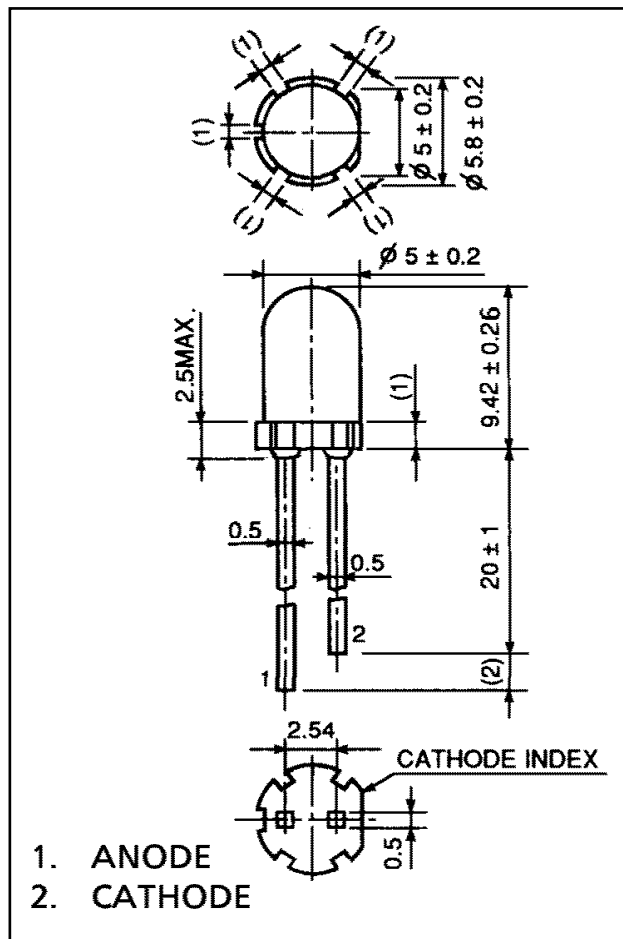
Traffic
VMS
Roadway Hazard Signs

Maximum Ratings (Ta=25°C)

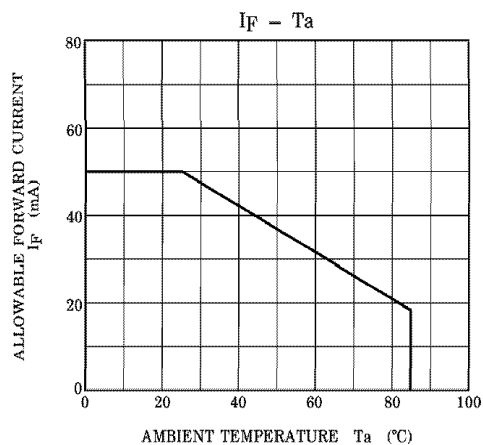
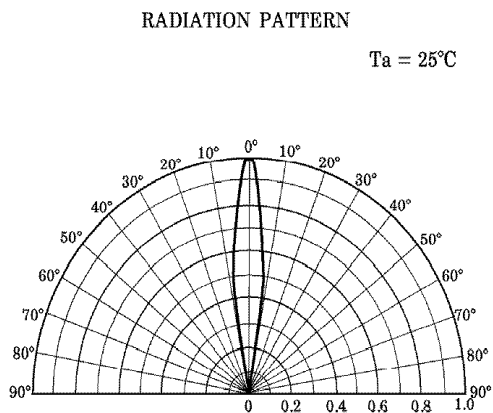
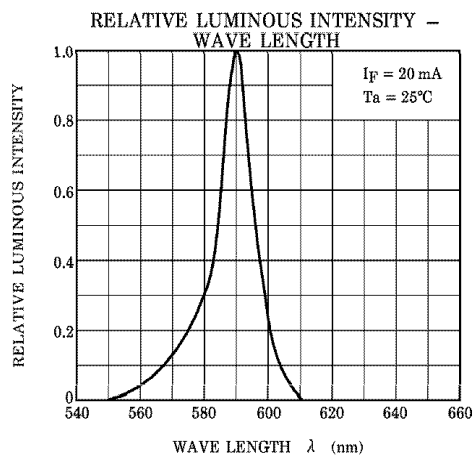
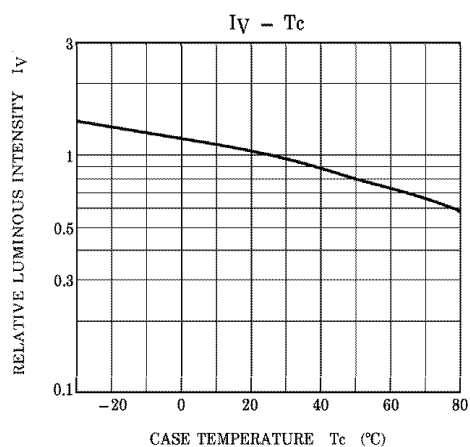
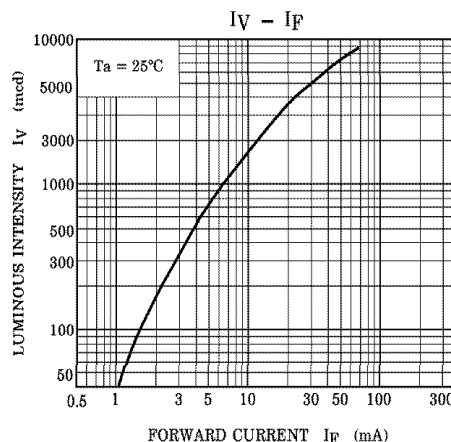
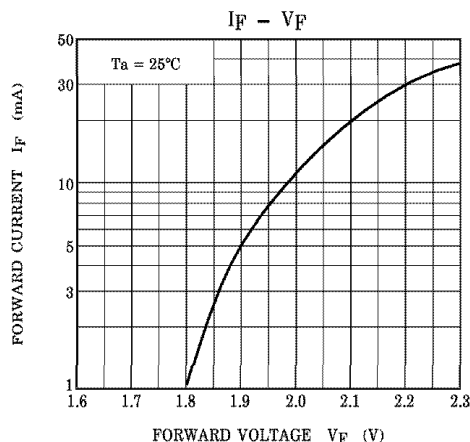
Characteristic	Symbol	Max.	Unit
Forward Current	I _F	50	mA
Reverse Voltage	V _R	4.00	V
Power Dissipation	P _D	125.00	mW
Operating Temperature	T _{opr}	-30 ~ 85	°C
Storage Temperature	T _{stg}	-40 ~ 120	°C
Soldering Temperature	T _{sol}	260	°C
Soldering Time	—	for 3 sec. max	—

Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =20mA	—	2.10	2.50	V
Reverse Current	I _R	V _R =4V	—	—	50	μA
Luminous Intensity	I _v	I _F =20mA	2200.00	3500.00	—	mcd
Viewing Angle	2θ ^{1/2}	—	—	17°	—	deg.
Peak Wavelength	λ _p	I _F =20mA	—	590	—	nm
Dominant Wavelength	λ _d	I _F =20mA	—	587	—	nm
Spectral Line Half Width	Δλ	I _F =20mA	—	13	—	nm



S4E38XX Graphs



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