

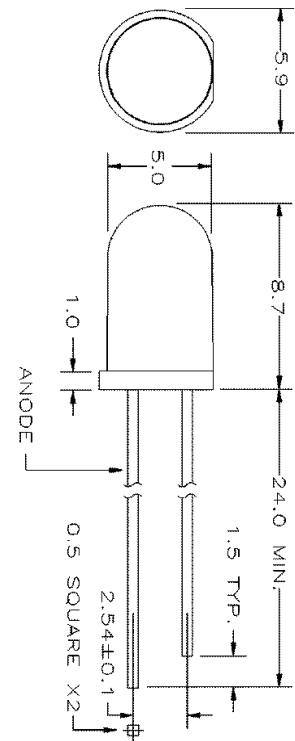
## MT1318-UR

### Features

- Low Current Requirements
- High Light Output
- Reliable and Rugged
- IC Compatible

### Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Test Condition	Unit
Forward Current	I <sub>F</sub>	30	-	mA
Pulsed Forward Current	I <sub>FP</sub>	.10	PW=0.1A, Duty=0.1%	A
Reverse Voltage	V <sub>R</sub>	4.00	-	V
Power Dissipation	P <sub>D</sub>	72.00	-	mW
Operating Temperature	T <sub>opr</sub>	-25 ~ +85	-	°C
Storage Temperature	T <sub>stg</sub>	-25 ~ +100	-	°C
Junction Temperature	T <sub>j</sub>	-	-	°C
Soldering Temperature	T <sub>sol</sub>	260	for 5 sec. max	°C



Units in mm

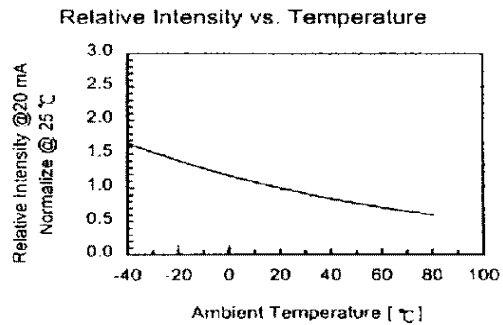
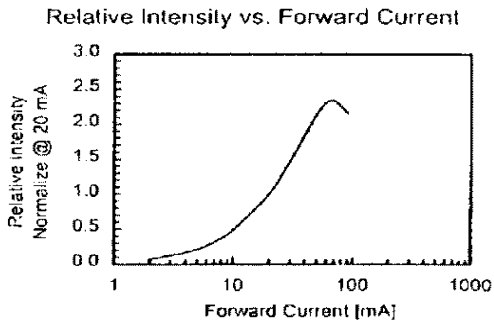
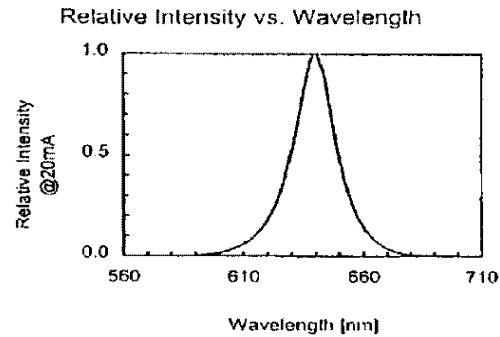
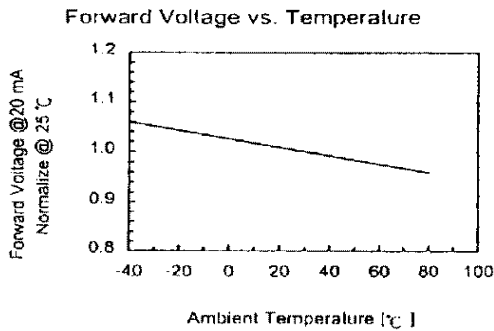
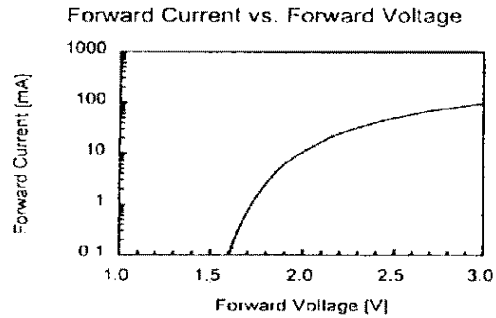
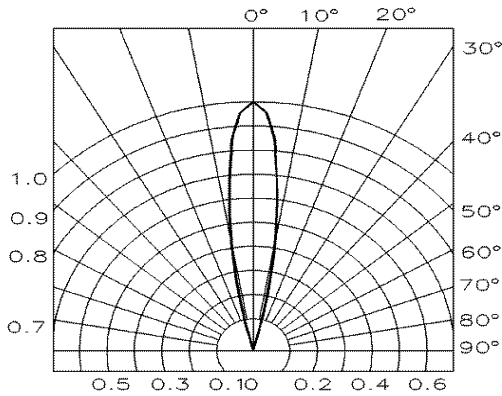
### Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	-	1.90	2.40	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =4V	-	-	100	μA
Power Output	PO	I <sub>F</sub> =20mA	-	6.50	-	mW
Half Intensity Beam Angle	θ	-	-	± 15°	-	deg.
Peak Wavelength	λ <sub>p</sub>	I <sub>F</sub> =20mA	-	644	-	nm
Dominant Wavelength	λ <sub>d</sub>	I <sub>F</sub> =20mA	-	630	-	nm
Spectral Line Half Width	Δλ	I <sub>F</sub> =20mA	-	18	-	nm

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## MT1318-UR Graphs



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