



5mm Red Ultra Bright Emitter

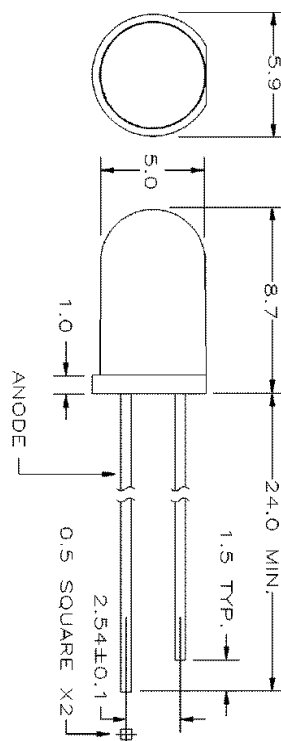
MT1318-UR

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 _F	30	—	mA
Pulsed Forward Current	I _{FP}	.10	PW=0.1A, Duty=0.1%	A
Reverse Voltage	V _R	4.00	—	V
Power Dissipation	P _D	72.00	—	mW
Operating Temperature	T _{opr}	-25 ~ +85	—	°C
Storage Temperature	T _{stg}	-25 ~ +100	—	°C
Junction Temperature	T _j	—	—	°C
Soldering Temperature	T _{sol}	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 _F	I _F =20mA	—	1.90	2.40	V
Reverse Current	I _R	V _R =4V	—	—	100	μA
Power Output	P _O	I _F =20mA	—	6.50	—	mW
Half Intensity Beam Angle	θ	—	—	± 15°	—	deg.
Peak Wavelength	λ _p	I _F =20mA	—	644	—	nm
Dominant Wavelength	λ _d	I _F =20mA	—	630	—	nm
Spectral Line Half Width	Δλ	I _F =20mA	—	18	—	nm

Company Headquarters

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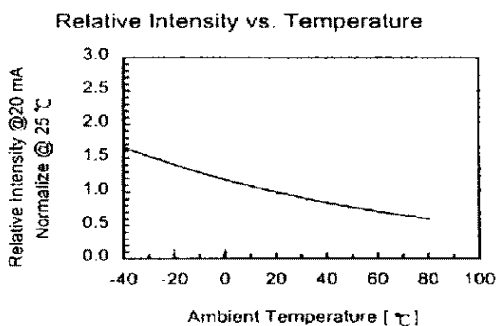
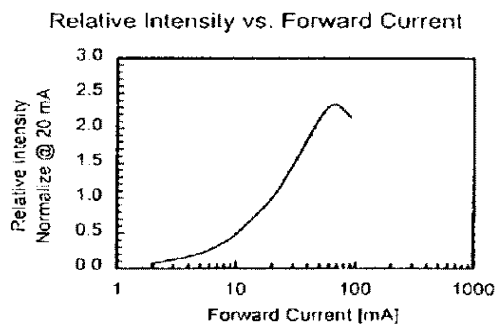
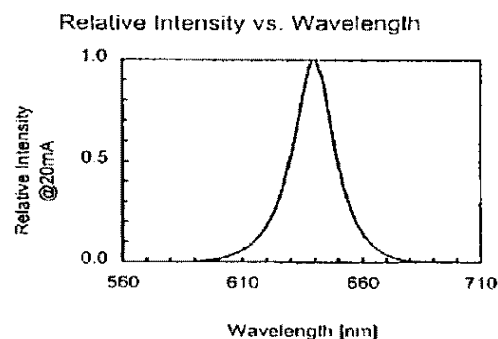
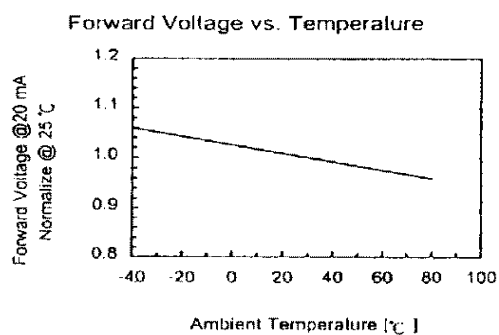
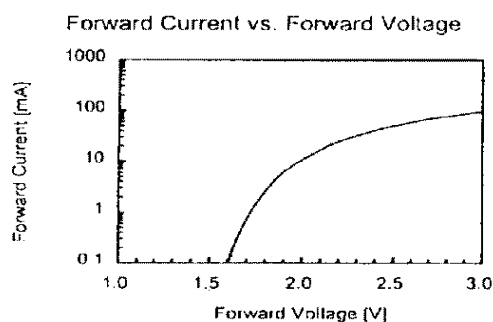
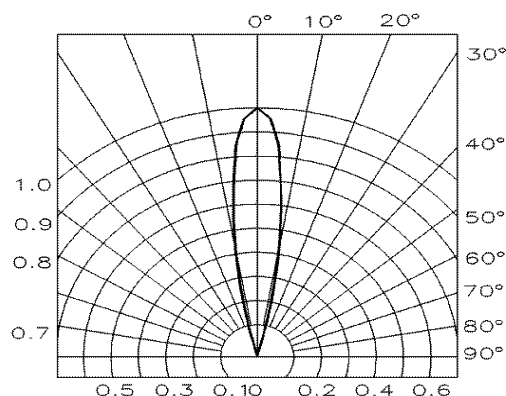


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MT1318-UR Graphs



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