

MT511-UR

Features

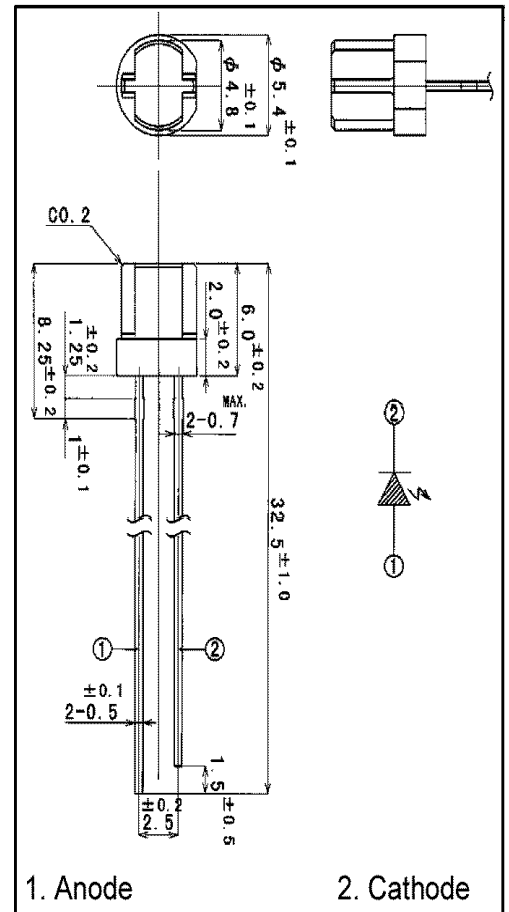
- Water Clear Package
- Ultra Bright Red Emitter
- Wide Radiation Pattern
- High Centering Accuracy

Applications

- Fiber Optics
- Bar Code Scanning

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Test Condition	Unit
Forward Current	I _F	50	–	mA
Pulsed Forward Current	I _{FP}	.50	tw=10μ S, T=10mS	A
Reverse Voltage	V _R	4.00	–	V
Power Dissipation	P _D	120.00	–	mW
Operating Temperature	T _{opr}	–20~+80	–	°C
Storage Temperature	T _{stg}	–30~+100	–	°C
Junction Temperature	T _j	–	–	°C
Soldering Temperature	T _{sol}	260	for 5 sec. max	°C



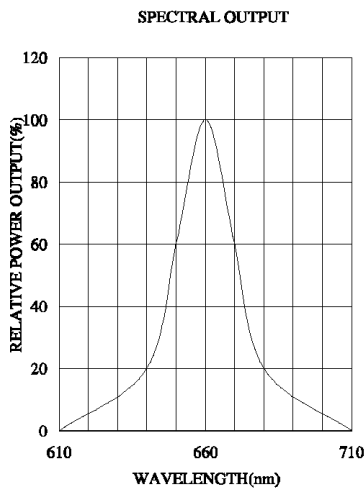
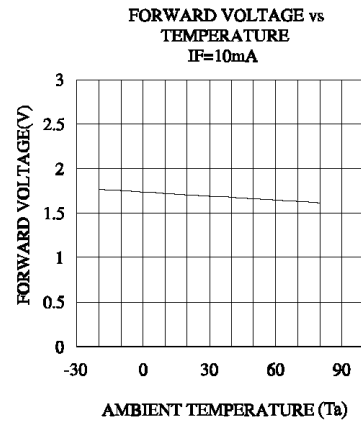
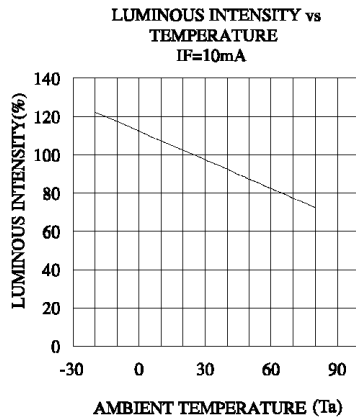
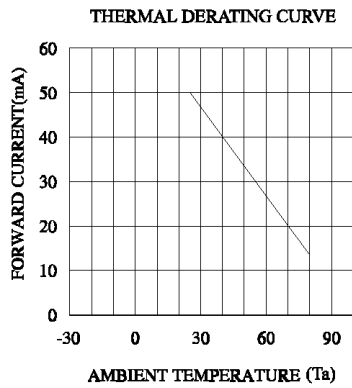
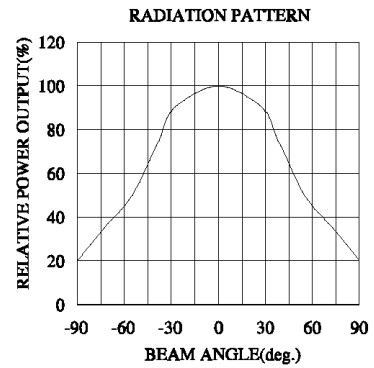
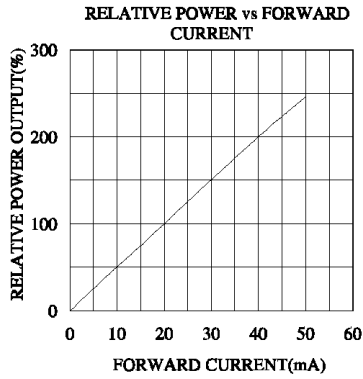
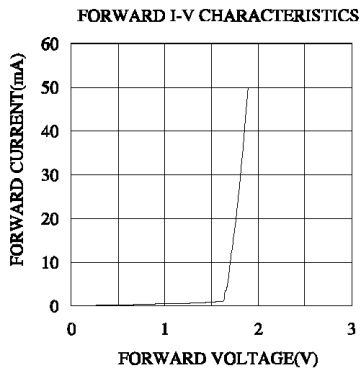
Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =20mA	–	1.80	2.20	V
Reverse Current	I _R	V _R =5V	–	–	10	μA
Power Output	PO	I _F =20mA	2.00	–	–	mW
Half Intensity Beam Angle	θ	–	–	± 65°	–	deg.
Peak Wavelength	λ _p	I _F =20mA	–	660	–	nm
Dominant Wavelength	λ _d	I _F =20mA	–	643	–	nm
Spectral Line Half Width	Δλ	I _F =20mA	–	20	–	nm

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MT511-UR Graphs



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