

MT900A-UR

Features

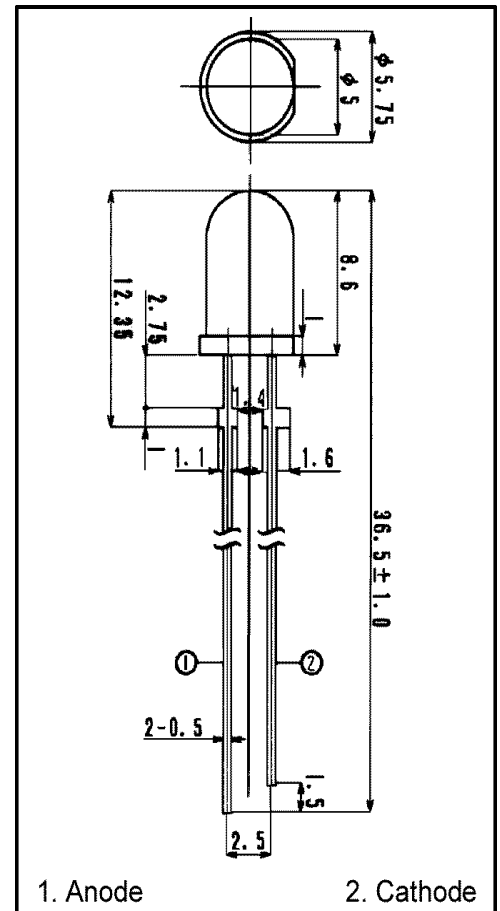
Luminous Intensity – 1500mcd typical
Narrow Beam Angle

Applications

Optical Sensor
Indicators

Maximum Ratings (Ta=25°C)

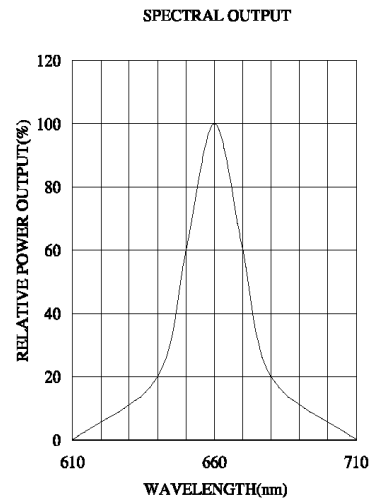
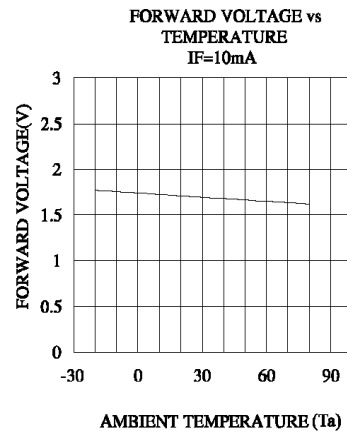
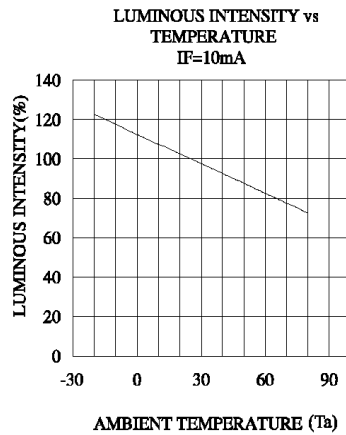
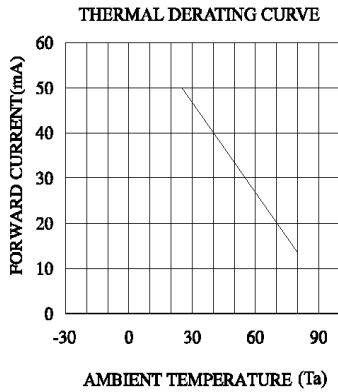
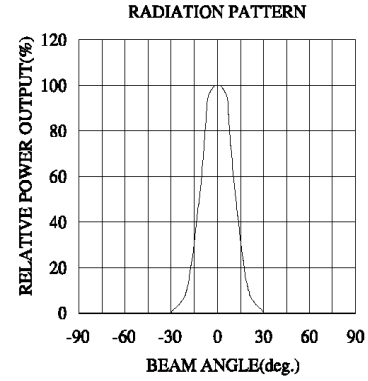
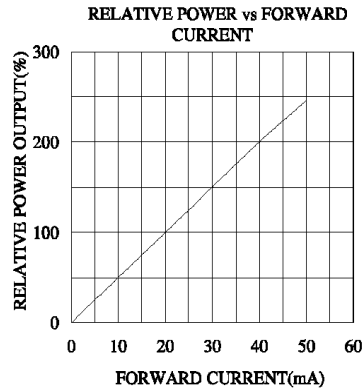
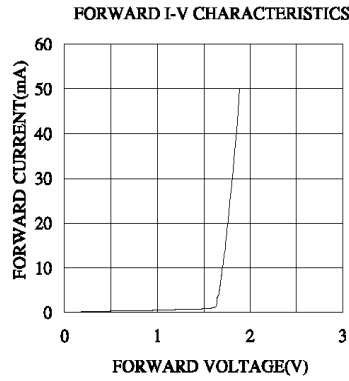
Characteristic	Symbol	Max.	Test Condition	Unit
Forward Current	I _F	50	–	mA
Pulsed Forward Current	I _{FP}	.50	tw=10μ S, T=10mS	A
Reverse Voltage	V _R	4.00	–	V
Power Dissipation	P _D	120.00	–	mW
Operating Temperature	T _{opr}	–20~+80	–	°C
Storage Temperature	T _{stg}	–30~+100	–	°C
Junction Temperature	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	–	–	100	μA
Power Output	PO	I _F =20mA	4.00	5.00	–	mW
Luminous Intensity	I _v	I _F =20mA	600.00	1500.00	–	mcd
Half Intensity Beam Angle	θ	–	–	± 12°	–	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	–	25	–	nm

MT900A-UR Graphs



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