

5mm Ultra Bright LED

MT900A-UR

Applications -

- Optical Sensor
- Indicators

Features -

- High Luminous Intensity
- Narrow Beam Angle

MAXIMUM RATINGS (Ta = 25°C)

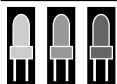
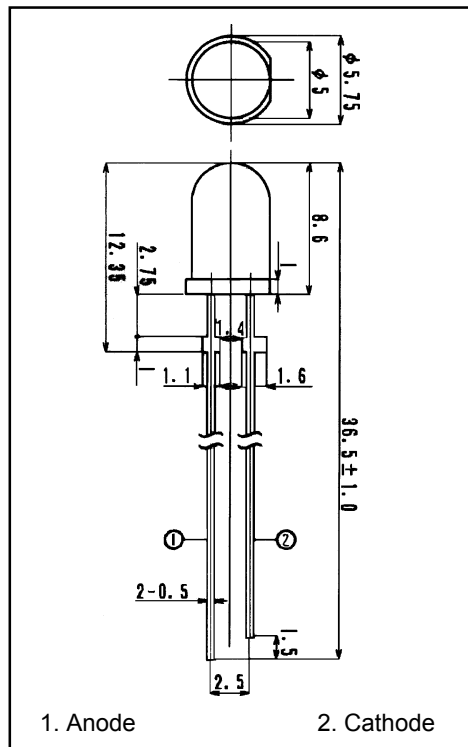
CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current	I _F	50	mA
Pulse IF*	I _{FP}	.5	A
Reverse Voltage	V _R	4	V
Power Dissipation	P _D	120	mW
Operating Temperature	T _{opr}	-20~80	°C
Storage Temperature	T _{stg}	-30~100	°C
Soldering Temperature**	Tsol	260	°C

*tw=10μs, T=10ms

** Time: 5 sec max, up to 2mm from body

OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Luminous Intensity	I _v	IF=20mA	600	1500	—	mcd
Power Output	PO	IF = 20mA	4.0	5.0	—	mW
Forward Voltage	V _F	IF = 20mA	—	1.8	2.2	V
Reverse Current	I _R	VR = 5V	—	—	100	μA
Peak Emission Wavelength	λ _p	IF = 20mA	—	660	—	nm
Spectral Line Half Width	Δλ	IF = 20mA	—	25	—	nm
Beam Angle	θ	—	—	±12	—	°



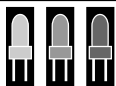
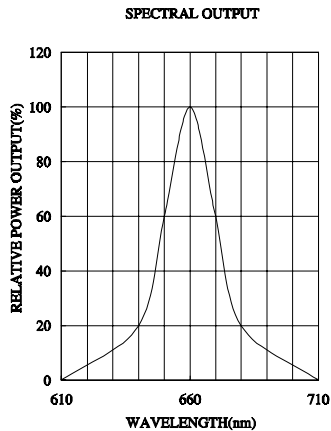
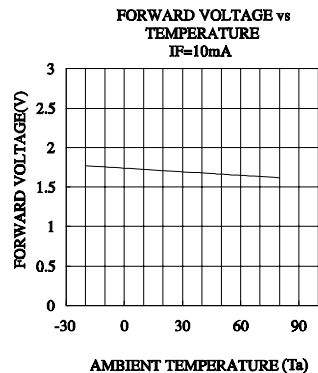
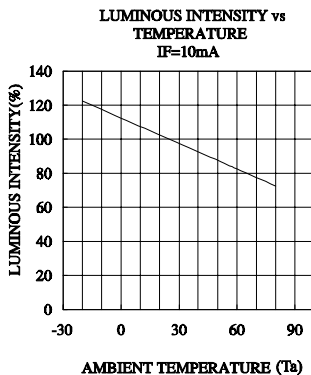
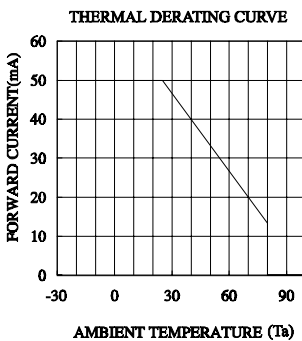
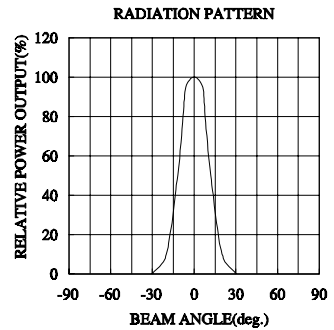
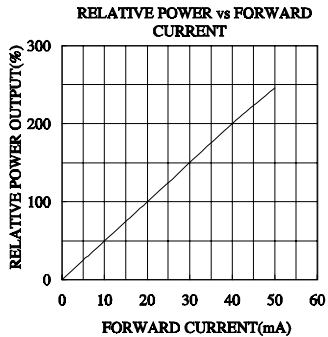
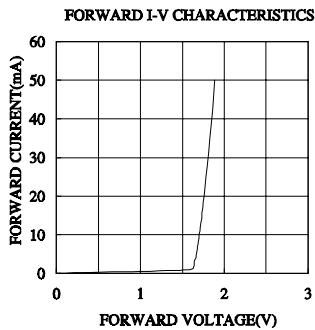
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5mm Ultra Bright LED

MT900A-UR Graphs



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All specifications subject to change.