

MT2010A-UG

Features

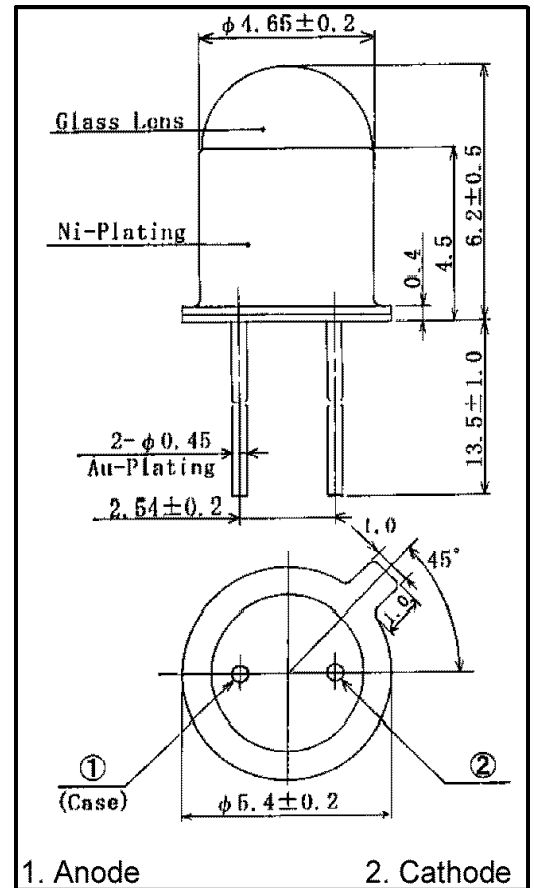
High Reliability
Luminous Intensity – 350mcd typical
Narrow Beam Angle

Applications

Bar Code REader
Color Sensor
Fiber Optics
Paper Sensor

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Test Condition	Unit
Forward Current	I _F	50	–	mA
Pulsed Forward Current	I _{FP}	.30	tw=10m S, T=10mS	A
Reverse Voltage	V _R	5	–	V
Power Dissipation	P _D	140.00	–	mW
Operating Temperature	T _{opr}	-20~+85	–	°C
Storage Temperature	T _{stg}	-30 ~+100	–	°C
Junction Temperature	T _j	100	–	°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	–	2.40	2.80	V
Reverse Current	I _R	V _R =5V	–	–	100	μA
Power Output	PO	I _F =20mA	–	.35	–	mW
Luminous Intensity	I _v	I _F =20mA	–	350.00	–	mcd
Half Intensity Beam Angle	θ	–	–	± 8°	–	deg.
Peak Wavelength	λ _p	I _F =20mA	–	574	–	nm
Dominant Wavelength	λ _d	I _F =20mA	–	571	–	nm
Spectral Line Half Width	Δλ	I _F =20mA	–	11	–	nm

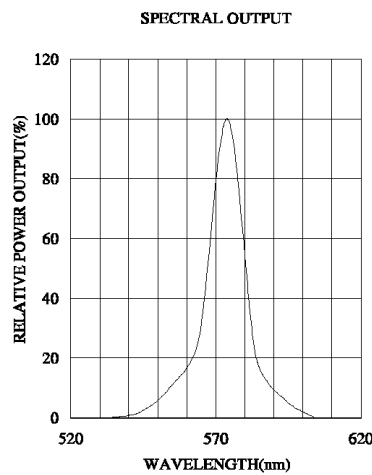
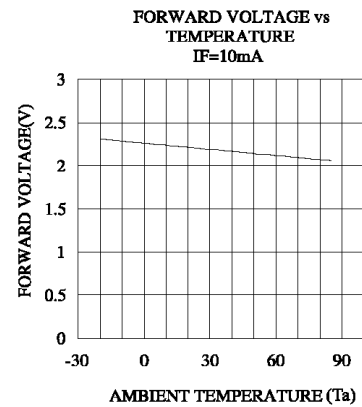
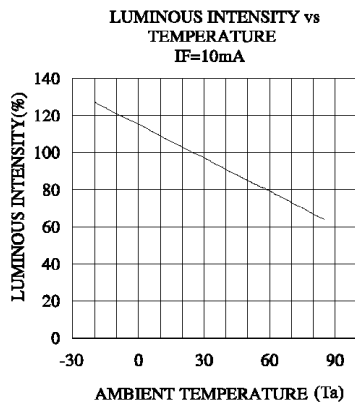
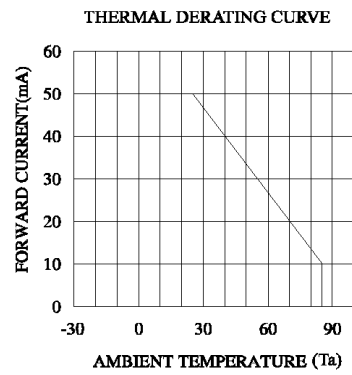
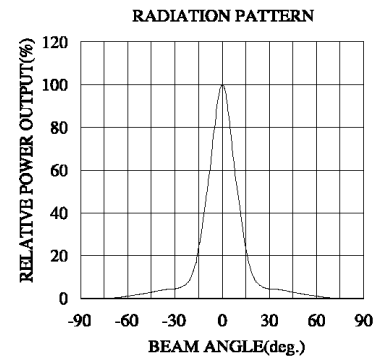
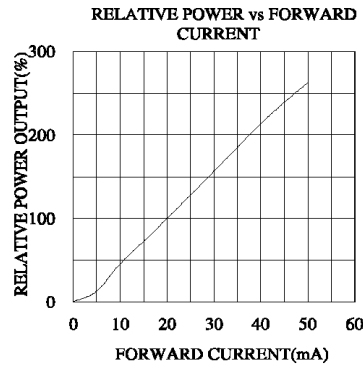
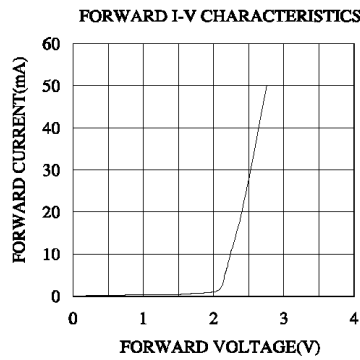
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MT2010A-UG Graphs



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