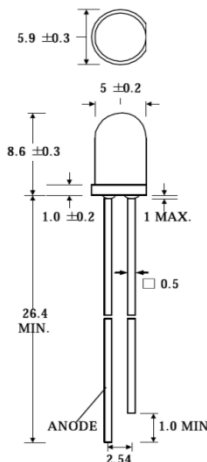


Product Data Sheet

LED Lamp ultra violet

MT5385-UV

Radiation	Type	Case
ultra violet	InGaN/SiC	5mm plastic lens

	Notes: - All dimensions are in millimeter - Lead spacing is measured where the lead emerge from the package	Description: Super bright LED lamp, round type, 5mm diameter, lens color: Water Clear with flange, housing without standoff leads, complaint with RoHS
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Maximum Ratings

T_{amb} = 25°C, unless otherwise specified

Parameter	Test Conditions	Symbol	Value	Unit
Forward Current		I _F	30	mA
Peak forward current	(1/10 Duty Cycle @1KHz)	I _{FM}	100	mA
Power dissipation		P _D	120	mW
Operating temp. range		T _{amb}	-40 to +85	°C
Storage temp. range		T _{stg}	-40 to +100	°C
Lead soldering temp.	t < 5s, 3mm from case	T _{slg}	260	°C

Optical and Electrical Characteristics

T_{amb} = 25°C, unless otherwise specified

Parameter	Symbol	Conditions	Min	typ	max	Unit
Forward voltage	V _F	I _F = 20mA		3.2	3.8	V
Reverse voltage	V _R	I _R = 10μA	5			V
Luminous intensity	I _v	I _F = 20mA	15	23		mcd
Peak wavelength	λ _p	I _F = 20mA	380	385	390	nm
Dominant Wavelength	λ _D	I _F = 20mA	390	400	410	nm
Spectral bandwidth at 50%	Δλ _{0.5}	I _F = 20mA		30		nm
Viewing angle	φ	I _F = 20mA		30		deg.

Tolerance of Viewing Angle: -10/+5deg.

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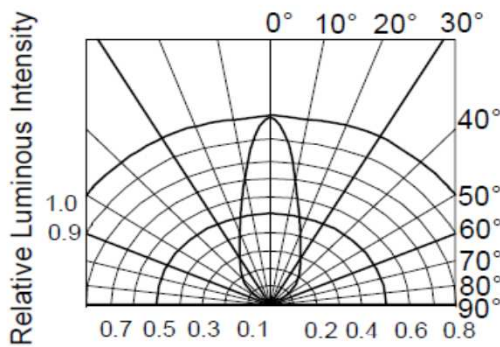
We reserve the right to make changes to improve technical design and may do so without further notice. Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.

Product Data Sheet

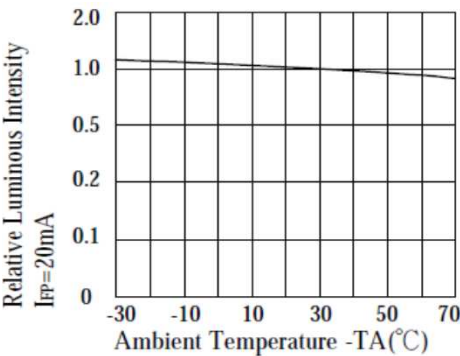
LED Lamp ultra violet

MT5385-UV

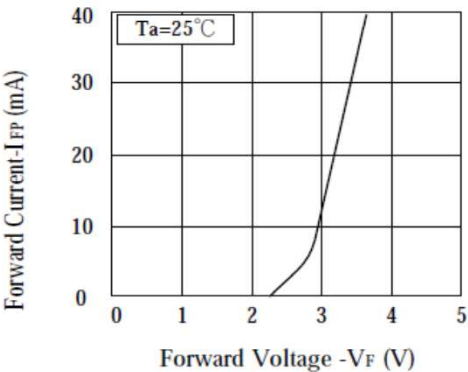
Typical optical-electrical characteristic curves	page 2/2
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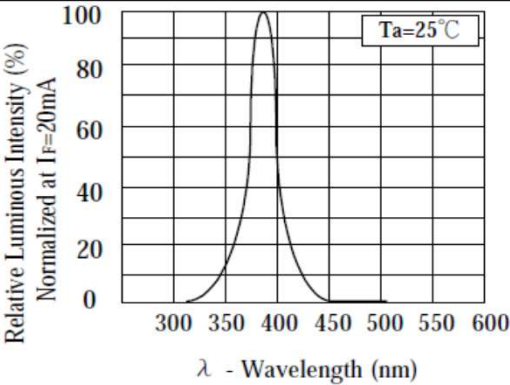
RADIATION DIAGRAM



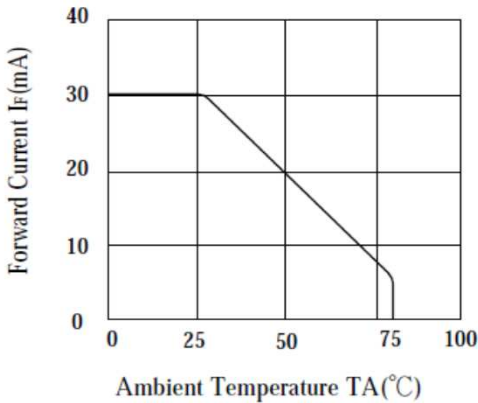
LUMINOUS INTENSITY
Vs. AMBIENT TEMPERATURE



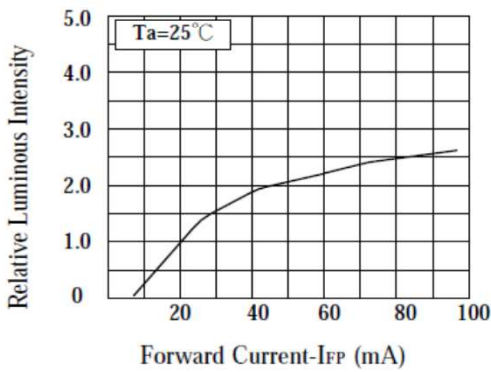
FORWARD CURRENT
Vs. FORWARD VOLTAGE



RELATIVE LUMINOUS INTENSITY
Vs. WAVELENGTH



MAX FORWARD CURRENT
Vs. AMBIENT TEMPERATURE



LUMINOUS INTENSITY
Vs. FORWARD CURRENT