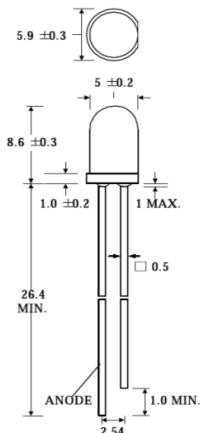


**Product Data Sheet**

**LED Lamp ultra violet**

**MT5400-UV**

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

	<p>Notes:</p> <ol style="list-style-type: none"> <li>All dimensions are in millimeter</li> <li>Lead spacing is measured where the lead emerge from the package</li> </ol>	<p><b>Description:</b></p> <p>Super bright LED lamp, round type, 5mm diameter, lens color: Water Clear with flange, housing without standoff leads, complaint with RoHS</p>
------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Maximum Ratings**

T<sub>amb</sub> = 25°C, unless otherwise specified

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

**Optical and Electrical Characteristics**

T<sub>amb</sub> = 25°C, unless otherwise specified

Parameter	Symbol	Conditions	Min	typ	max	Unit
Forward voltage	V <sub>F</sub>	I <sub>F</sub> = 20mA		3.2	3.8	V
Reverse voltage	V <sub>R</sub>	I <sub>R</sub> = 10µA	5			V
Luminous intensity	I <sub>v</sub>	I <sub>F</sub> = 20mA	20	30		mcd
Peak wavelength	λ <sub>p</sub>	I <sub>F</sub> = 20mA	395	400	405	nm
Dominant Wavelength	λ <sub>D</sub>	I <sub>F</sub> = 20mA	400	410	420	nm
Spectral bandwidth at 50%	Δλ <sub>0,5</sub>	I <sub>F</sub> = 20mA		30		nm
Viewing angle	φ	I <sub>F</sub> = 20mA		30		deg.

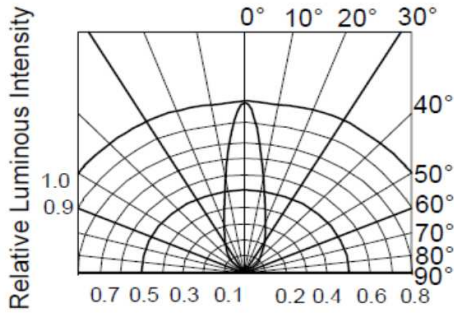
Tolerance of Viewing Angle: -10/+5deg.

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.

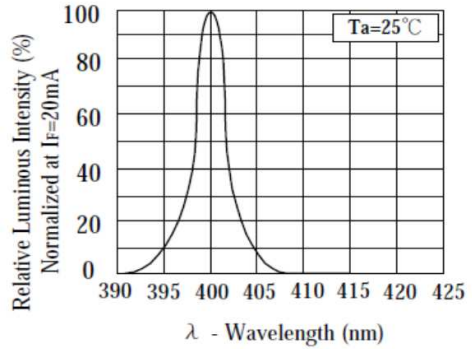
**Product Data Sheet**

**LED Lamp ultra violet**

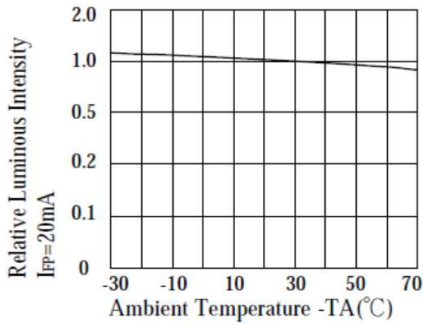
**MT5400-UV**



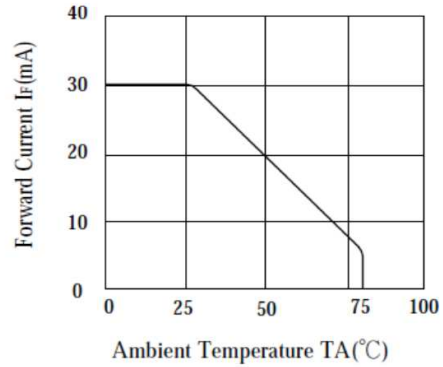
**RADIATION DIAGRAM**



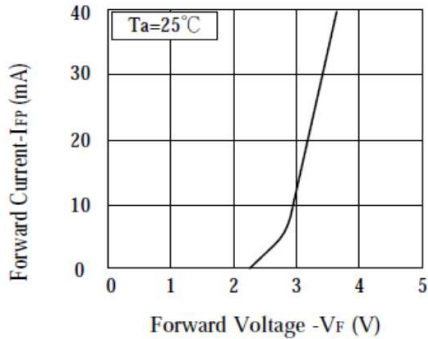
**RELATIVE LUMINOUS INTENSITY Vs. WAVELENGTH**



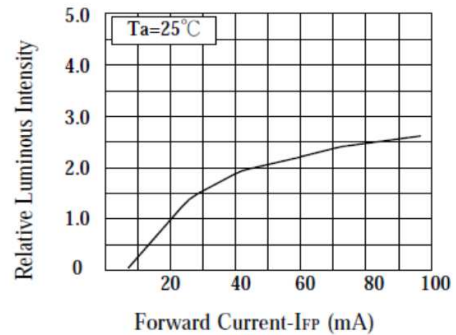
**LUMINOUS INTENSITY Vs. AMBIENT TEMPERATURE**



**MAX FORWARD CURRENT Vs. AMBIENT TEMPERATURE**



**FORWARD CURRENT Vs. FORWARD VOLTAGE**



**LUMINOUS INTENSITY Vs. FORWARD CURRENT**