

## MTSM235K-G-A

### Features

- Choice of water clear or color clear lens
- Excellent on/off contrasts
- Other colors/materials available
- Solid state reliability
- Wide viewing angle
- Lead Free

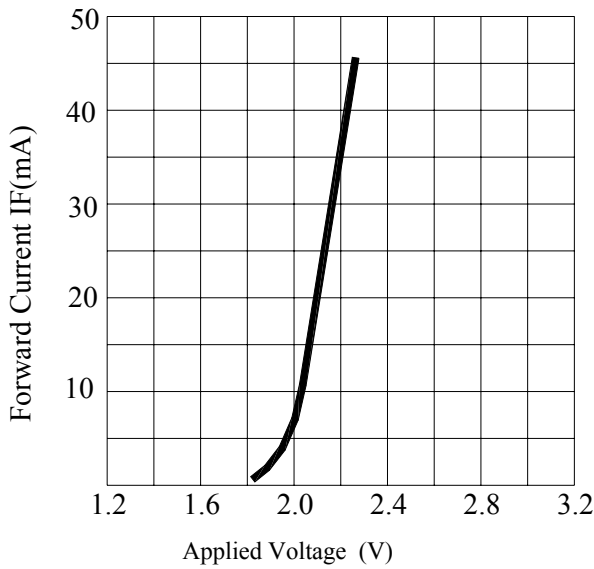
### Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I <sub>F</sub>	30	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	78.00	mW
Operating Temperature	T <sub>opr</sub>	-25 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	°C
Soldering Temperature	T <sub>sol</sub>	260	°C
Soldering Time	-	for 5 sec. max	-

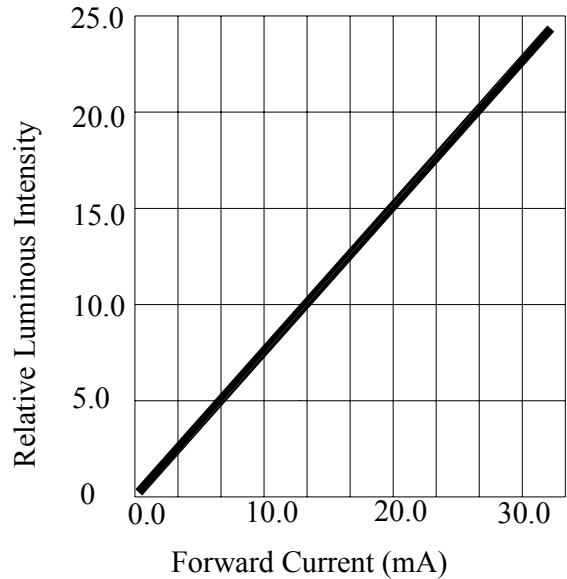
### Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	-	2.10	2.60	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	100	μA
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> =20mA	9.00	15.00	-	mcd
Viewing Angle	2θ <sup>1/2</sup>	-	-	120°	-	deg.
Peak Wavelength	λ <sub>p</sub>	I <sub>F</sub> =20mA	-	567	-	nm
Dominant Wavelength	λ <sub>d</sub>	I <sub>F</sub> =20mA	-	573	-	nm
Spectral Line Half Width	Δλ	I <sub>F</sub> =20mA	-	30	-	nm

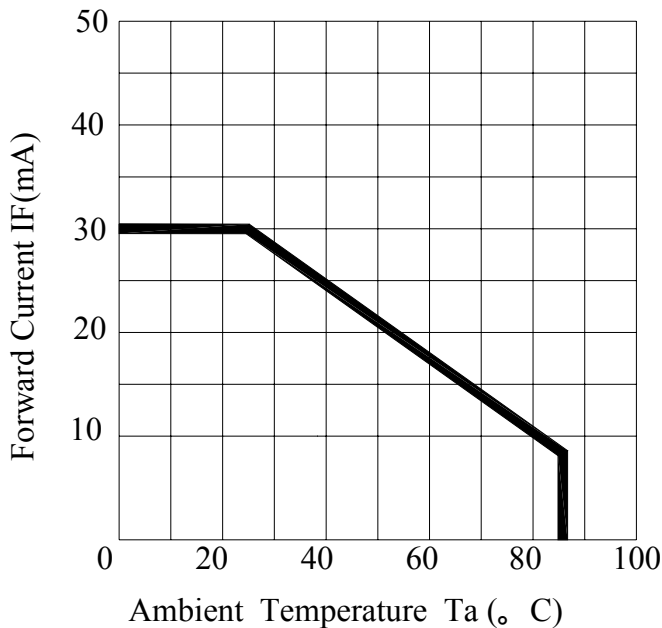
**MTSM235K-G-A Graphs**



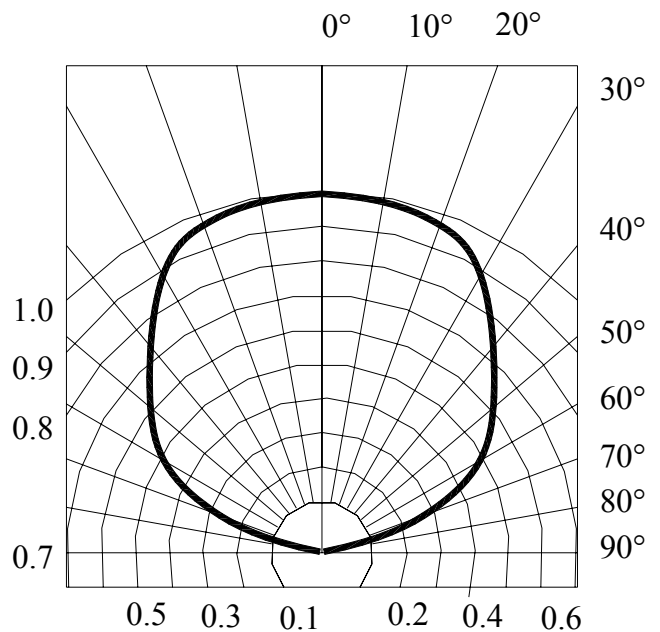
Forward Current VS. Applied Voltage



Forward Current VS. Luminous Intensity



Ambient Temperature vs. Forward Current



Radiation Diagram

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