

## MT1363-UHR

### Features

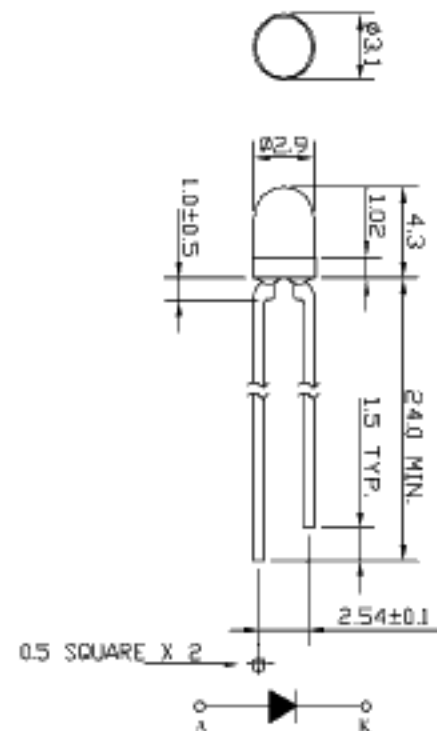
- High Intensity
- Reliable Rugged
- Low Current Requirements
- IC Compatible

### Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	$I_F$	30	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	78.00	mW
Operating Temperature	$T_{opr}$	-25 ~ +85	°C
Storage Temperature	$T_{stg}$	-40 ~ +100	°C
Soldering Temperature	$T_{sot}$	260	°C
Soldering Time	-	for 5 sec. max	-

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

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=20mA$	-	2.20	2.60	V
Reverse Current	$I_R$	$V_R=5V$	-	-	100	mA
Luminous Intensity	$I_v$	$I_F=20mA$	1000.00	1600.00	-	md
Viewing Angle	$2\theta^{1/2}$	-	-	40°	-	deg.
Peak Wavelength	$\lambda_p$	$I_F=20mA$	-	642	-	nm
Dominant Wavelength	$\lambda_d$	$I_F=20mA$	-	630	-	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F=20mA$	-	20	-	nm



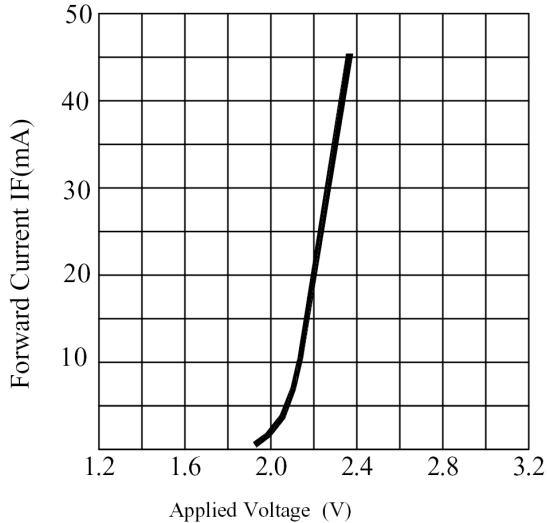
Notes:

1. All dimensions are in millimeters.

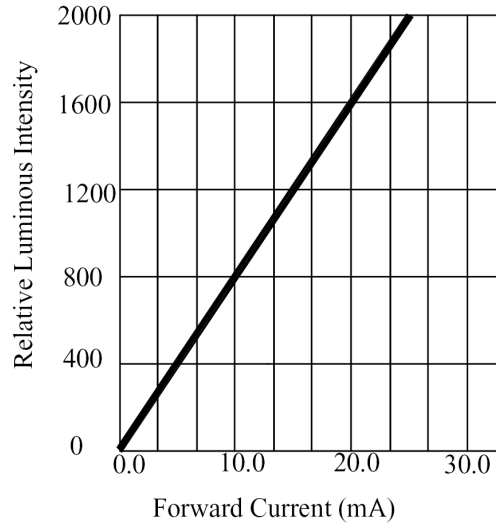
2. Tolerance is  $\pm 0.25mm$  unless otherwise noted.

**MT1363-UHR Graphs**

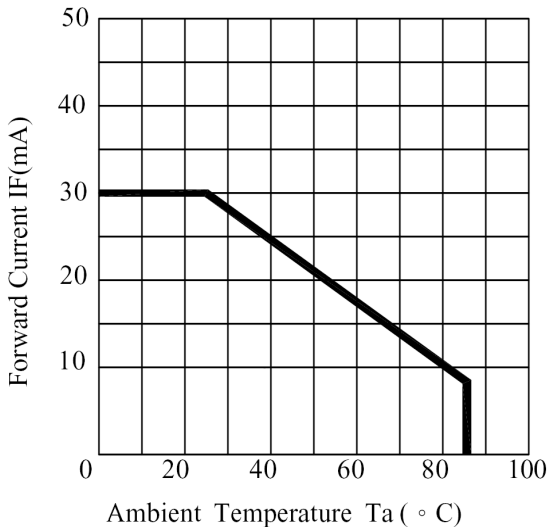
**Typical Electrical / Optical Characteristics Curves :**



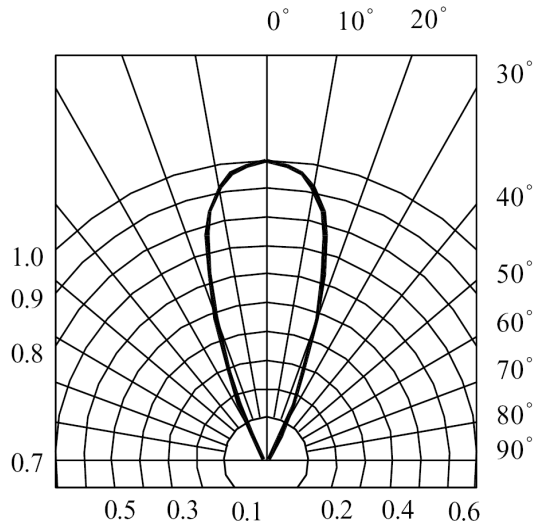
**FORWARD CURRENT VS. APPLIED VOLTAGE**



**FORWARD CURRENT VS. LUMINOUS INTENSITY**



**AMBIENT TEMPERATURE VS. FORWARD CURRENT**



**RADIATION DIAGRAM**