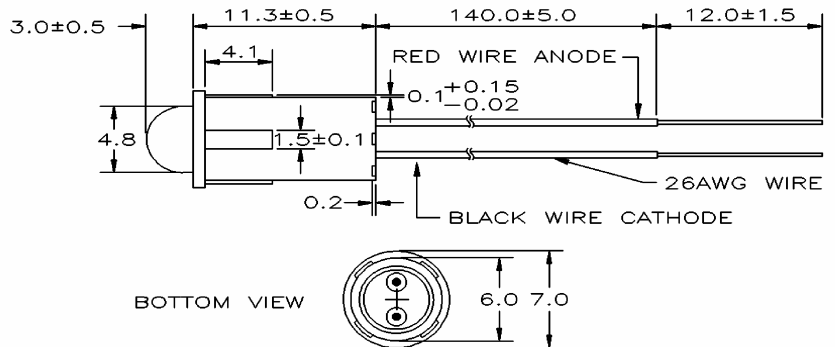


## MT4164S4-HR6-2

### Features

- Low current requirements
- High light output
- Reliable and rugged
- IC Compatible
- Red Diffused Lens



Notes :  
 1. All dimensions are in millimeters .  
 2. Tolerance is  $\pm 0.25\text{mm}$  unless otherwise noted.

### Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	$I_F$	30	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	72.00	mW
Operating Temperature	$T_{opr}$	-25 ~ +60	°C
Storage Temperature	$T_{stg}$	-25 ~ +60	°C
Soldering Temperature	$T_{sol}$	260	°C
Soldering Time	-	for 5 sec. max	-

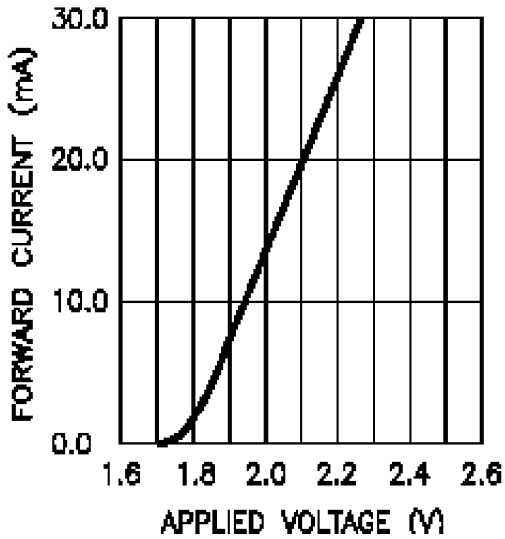
### Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=20\text{mA}$	-	2.10	2.40	V
Reverse Current	$I_R$	$V_R=5\text{V}$	-	-	100	mA
Luminous Intensity	$I_v$	$I_F=20\text{mA}$	15.00	25.00	-	mcd
Viewing Angle	$2\theta^{1/2}$	-	-	40°	-	deg.
Peak Wavelength	$\lambda_p$	$I_F=20\text{mA}$	-	630	-	nm
Dominant Wavelength	$\lambda_d$	$I_F=20\text{mA}$	-	625	-	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F=20\text{mA}$	-	35	-	nm

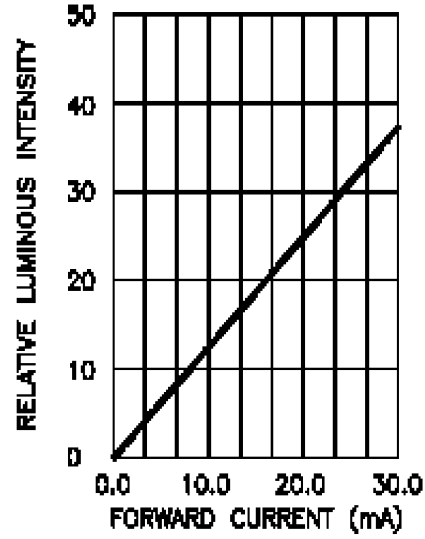
Specification is subject to change without notice.

MT4164S4-HR6-2 Graphs

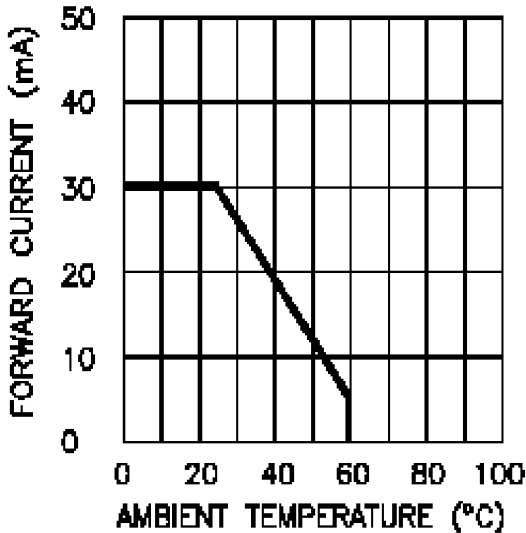
Typical Electrical / Optical Characteristics Curves :



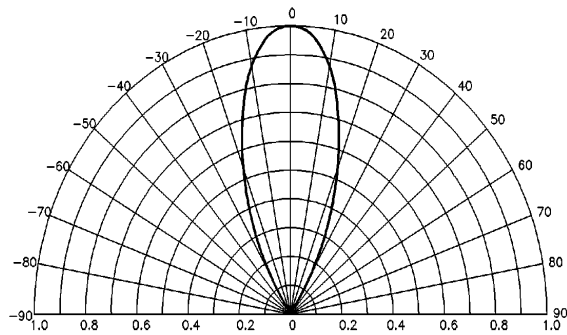
Forward Current vs. Forward Voltage



Forward Current vs. Relative Luminous Intensity



Ambient Temperature vs. Forward Current



Radiation Diagram

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