

## LC503TPG1-15G-A

### Features

5mm Package  
 High Luminous Intensity  
 High Optical Power  
 All Plastic Mold Type  
 Water Clear Lens

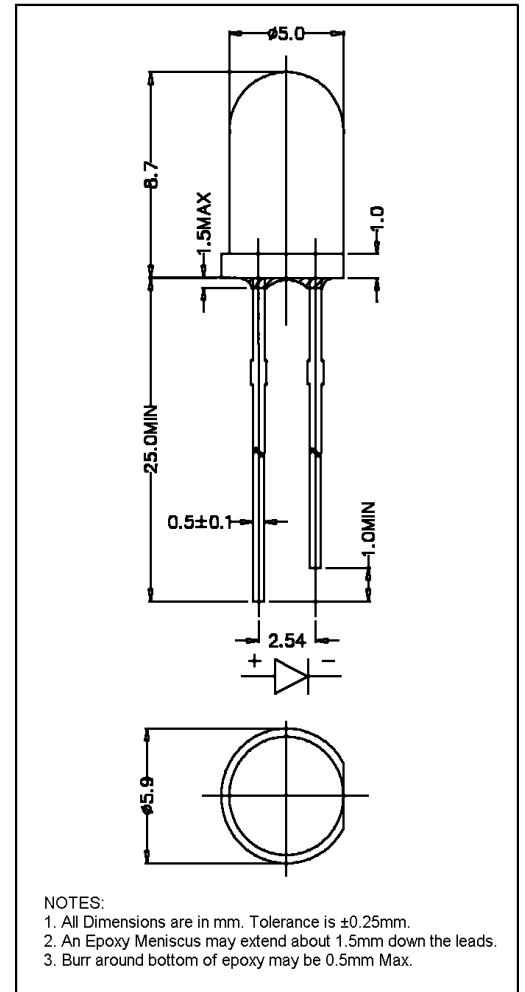
### Applications

Decorative Lighting  
 General Purpose Lighting  
 Indoor Message Centers  
 Instrumentation  
 Medical Equipment



## ATTENTION

OBSERVE PRECAUTIONS  
 ELECTROSTATIC  
 SENSITIVE DEVICES

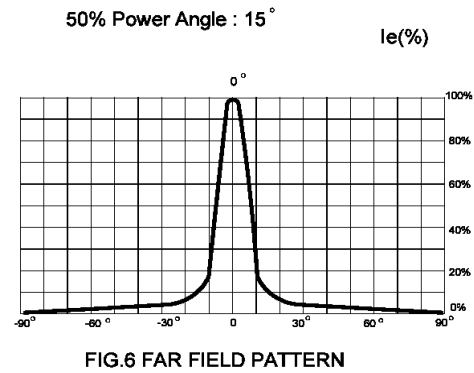
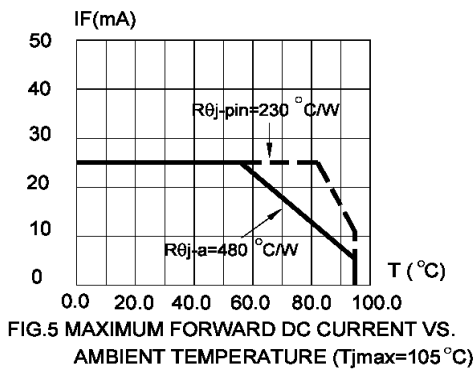
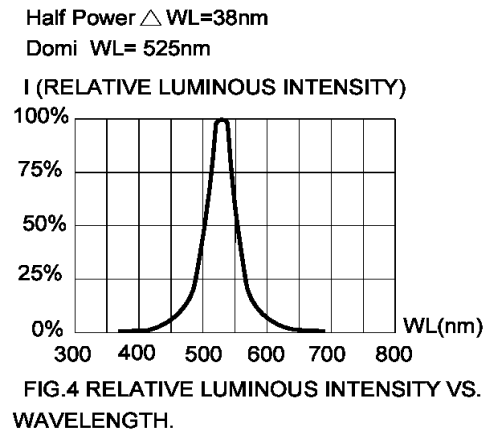
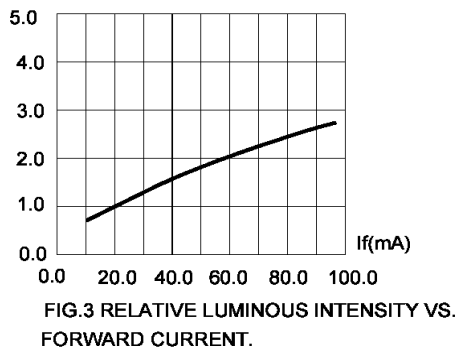
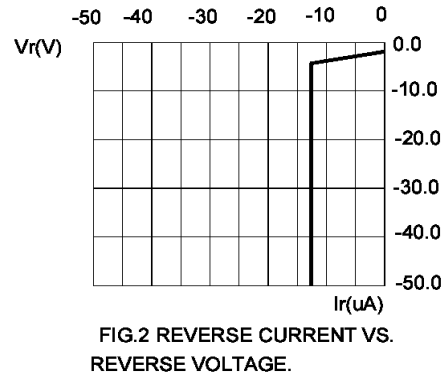
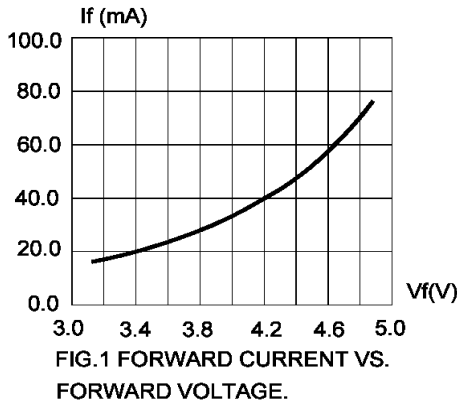


### Maximum Ratings ( $T_a=25^\circ\text{C}$ )

Characteristic	Symbol	Max.	Unit
Forward Current	$I_F$	25	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	100.00	mW
Operating Temperature	$T_{opr}$	-40 ~ +95	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 ~ +100	$^\circ\text{C}$
Soldering Temperature	$T_{sol}$	260	$^\circ\text{C}$
Soldering Time	-	for 3 sec. max	-

### Opto-Electrical Characteristics ( $T_a=25^\circ\text{C}$ )

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=20\text{mA}$	-	3.40	4.00	V
Reverse Current	$I_R$	$V_R=5\text{V}$	-	-	100	$\mu\text{A}$
Luminous Intensity	$I_v$	$I_F=20\text{mA}$	12000.00	23000.00	-	mcd
Viewing Angle	$2\theta^{1/2}$	-	-	$15^\circ$	-	deg.
Peak Wavelength	$\lambda_p$	$I_F=20\text{mA}$	-	520	-	nm
Dominant Wavelength	$\lambda_d$	$I_F=20\text{mA}$	-	525	-	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F=20\text{mA}$	-	38	-	nm



1. Cathode PAD Area (0.18 X 0.18inch<sup>2</sup>)
2. Height above nominal seating plane in inches(0.3inch)