

### LC503PBL1-30Q

#### Features

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

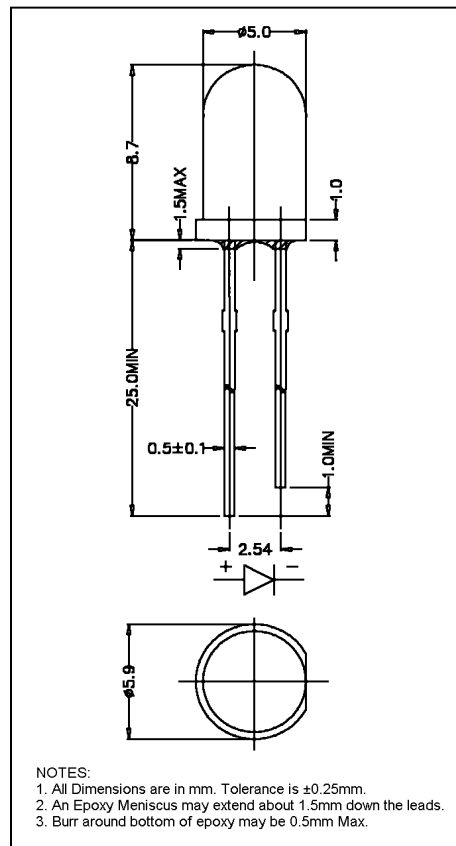
#### Applications

Outdoor Message Centers  
VMS  
Automotive Interior Lighting  
Traffic Signals  
Pedestrian Signals  
Decorative Lighting



### ATTENTION

OBSERVE PRECAUTIONS  
ELECTROSTATIC  
SENSITIVE DEVICES



### Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	$I_F$	25	mA
Reverse Voltage	$V_R$	5.00	V
Power Dissipation	$P_D$	120.00	mW
Operating Temperature	$T_{opr}$	-20 ~ +75	°C
Storage Temperature	$T_{stg}$	-30 ~ +80	°C
Soldering Temperature	$T_{sol}$	260	°C
Soldering Time	—	for 3 sec. max	—

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

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=20\text{mA}$	3.20	3.60	4.20	V
Reverse Current	$I_R$	$V_R=5\text{V}$	—	—	100	$\mu\text{A}$
Luminous Intensity	$I_v$	$I_F=20\text{mA}$	770.00	1500.00	—	mcd
Viewing Angle	$2\theta^{1/2}$	—	—	30°	—	deg.
Peak Wavelength	$\lambda_p$	$I_F=20\text{mA}$	—	465	—	nm
Dominant Wavelength	$\lambda_d$	$I_F=20\text{mA}$	—	470	—	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F=20\text{mA}$	—	28	—	nm

#### Company Headquarters

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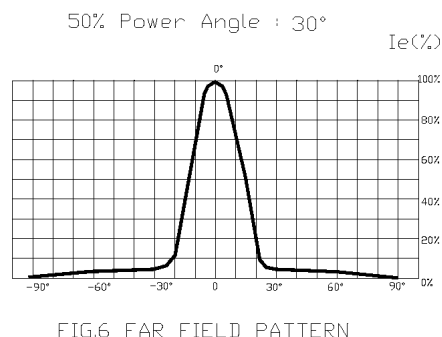
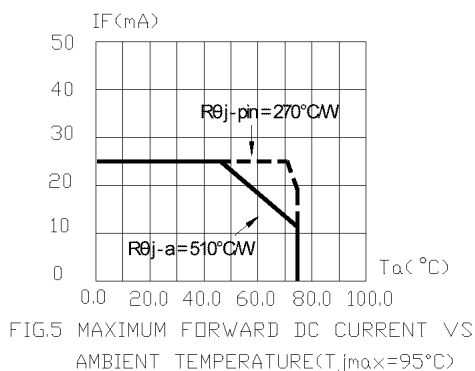
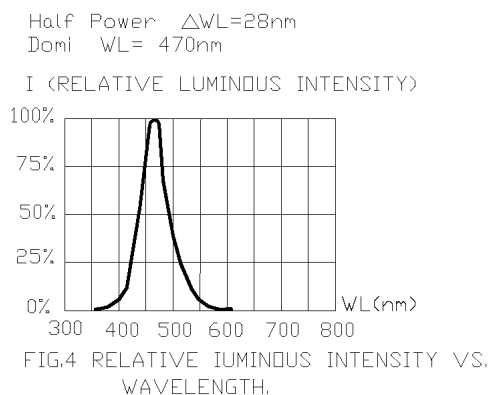
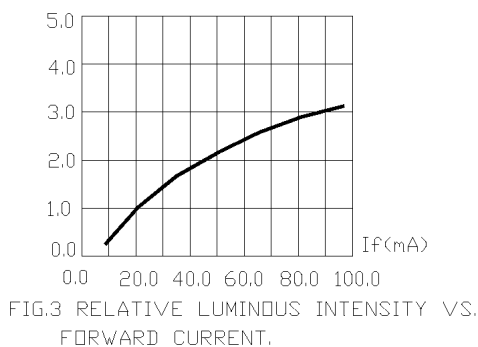
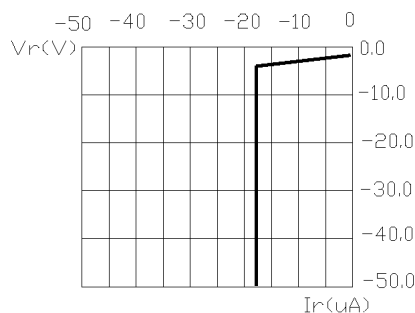
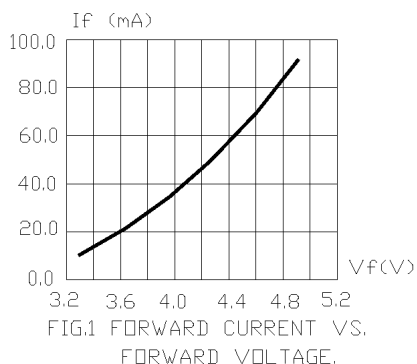


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### LC503PBL1-30Q Graphs



1. Cathode PAD Area ( $0.18 \times 0.18\text{inch}^2$ )
2. Height above nominal seating plane in inches(0.3inch)