COTCO

5mm Blue InGaN LED

LC503TBL1−30G−A

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

Maximum Ratings (Ta=25°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	°C
Storage Temperature	T_{stg}	−40 ~ +100	°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=20mA	−	3.40	4.00	V
Reverse Current	I_R	V_R=5V	−	−	100	μA
Luminous Intensity	I_V	I_F=20mA	1520.00	2100.00	−	mcd
Viewing Angle	$2\theta^{1/2}$	−	−	30°	−	deg.
Peak Wavelength	λp	I_F=20mA	−	465	−	nm
Dominant Wavelength	λd	I_F=20mA	−	470	−	nm
Spectral Line Half Width	Δλ	I_F=20mA	−	28	−	nm

Company Headquarters
120 Broadway
Menands, New York 12204
Toll Free: 800.984.5337
Fax: 518.432.7454

Marktech Optoelectronics
Web: www.marktechopto.com | Email: info@marktechopto.com

California Sales Office:
950 South Coast Drive, Suite 265
Costa Mesa, California 92626
Toll Free: 800.984.5337
Fax: 714.850.9314

LC503TBL1−30G−A Graphs

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