

Peak Emission Wavelength: 507nm

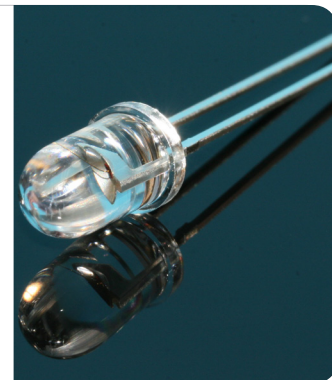
The MT5505-BG-15 is a visible blue green T 1 3/4, 5mm water clear LED designed for applications requiring uniformity and high luminous intensity packaged with straight leads.

FEATURES

- > Super Bright LED Lamp
- > High Luminous Intensity
- > Emitting Color: Blue Green

APPLICATIONS

- > Traffic Control Devices
- > Imaging Systems
- > Medical Equipment



Absolute Maximum Ratings (Ta=25°C)

ITEMS	SYMBOL	RATINGS	UNIT
Forward Current	IF	30	mA
Peak Forward Current*1	IFP	100	mA
Reverse Voltage	VR	5.0	V
Power Dissipation	PD	120	mW
Operating Temperature Range	Topr	-20 ~ +80	°C
Storage Temperature Range	Tstg	-40 ~ +100	°C
Lead Soldering Temperature*2	Tls	260	°C

*1: Test Conditions: 1/10 duty cycle @ 1KHZ. *2: Time 3 Sec max, Position: Up to 1.6mm from case.

Electrical & Optical Characteristics (Ta = 25°C)

ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	VF	IF=20mA	--	3.2	3.8	V
Reverse Current	IR	VR=5V	--	--	10	μA
Peak Emission Wavelength	λ_p	IF=20mA	--	507	--	nm
Dominant Wavelength	λ_D	IF=20mA	--	505	--	nm
Spectral Bandwidth at 50%	$\Delta\lambda_{0.5}$	IF=20mA	--	30	--	nm
Viewing Angle	Θ	IF=20mA	--	15	--	deg.
Luminous Intensity	Iv	IF=20mA	10000	15000	--	mcd

RADIATION

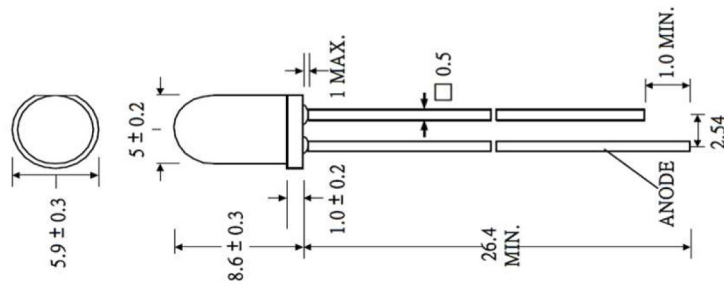
Blue Green

TYPE

InGaN

CASE

5mm Plastic Lens



Unit: mm