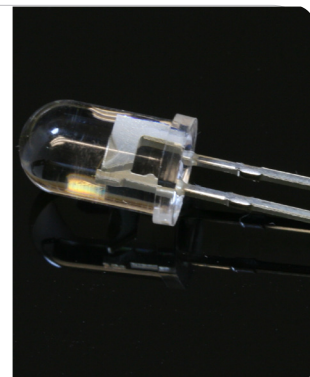


## Peak Emission Wavelength: 507nm

The MT5505-BG-15 is a blue green T 1 3/4, 5mm water clear LED designed for applications requiring high Brightness and high reliability in a narrow angle package.

### FEATURES

- > Super Bright LED Lamp
- > High Luminous Intensity
- > Narrow Beam Angle
- > Emitted Color: Blue Green



## Absolute Maximum Ratings (Ta=25°C)

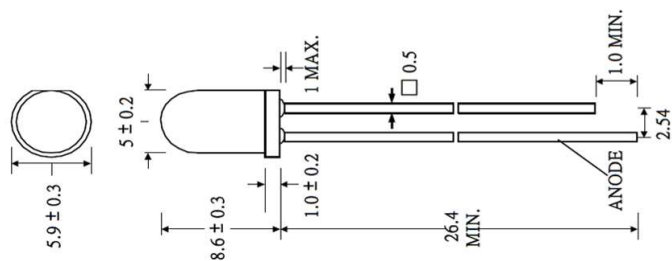


ITEMS	SYMBOL	RATINGS	UNIT
Forward Current (DC)	IF	30	mA
Forward Current (Peak)*1	IFP	100	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	120	mW
Operating Temperature Range	Topr	-20 ~ +80	°C
Storage Temperature Range	Tstg	-40 ~ +100	°C
Lead Soldering Temperature*2	Tls	260	°C

\*1: 1/10 Duty cycle @ 1KHz. \*2: Time 3 Sec, 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	λp	IF=20mA	--	507	--	nm
Dominant Wavelength	λd	IF=20mA	--	505	--	nm
Spectral Line Half Width	Δλ	IF=20mA	--	30	--	nm
Half Intensity Beam Angle	Θ	IF=20mA	--	15	--	deg
Luminous Intensity	Iv	IF=20mA	5600	8500	--	mcd



### Spectral Response

