

BLFA052MBC-6V BLUE

Features

- BUILT-IN CURRENT LIMITING RESISTOR FOR DIRECT APPLICATION OF DIFFERENT ACROSS CURRENT.
- LONG LIFE.
- LOW CURRENT, POWER SAVINGS.
- LOW MAINTENANCE.
- DIFFERENT COLOR AVAILABLE.
- SOLID STATE, HIGH VIBRATION RESISTANT.
- 6V INTERNAL RESISTOR.

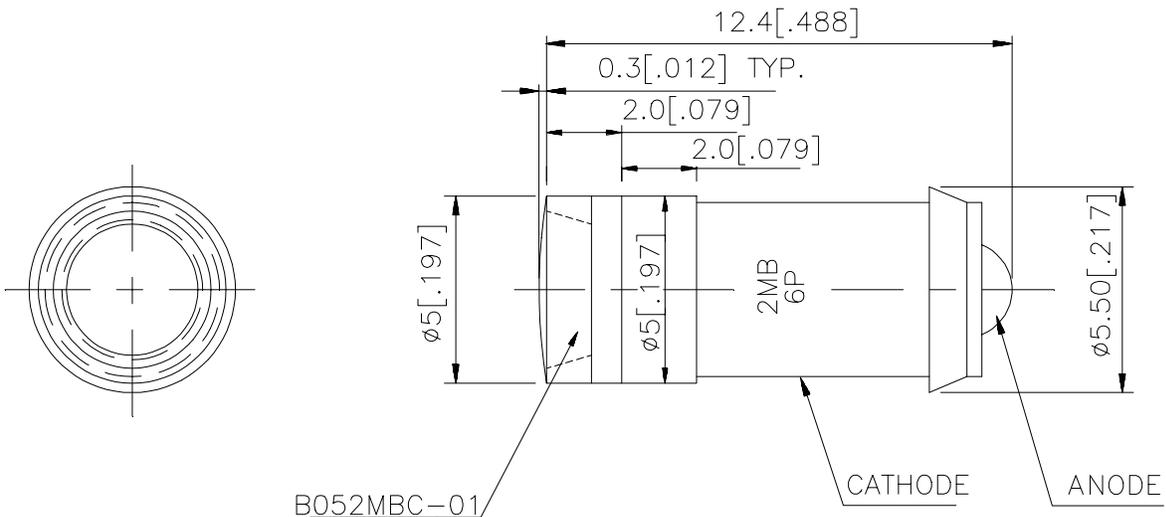
Description

The Blue source color devices are made with GaN on SiC Light Emitting Diode.

Static electricity and surge damage the LEDs. It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 (0.01") unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) V=6V		Viewing Angle
			Min.	Typ.	2θ1/2
BLFA052MBC-6V	Blue(GaN)	WATER CLEAR	8	40	110°

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Blue	430	-	nm	VF=6V
λ _D	Wavelength at Dominate	Blue	455	-	nm	VF=6V
Δλ _{1/2}	Spectral Line Halfwidth	Blue	60	-	nm	VF=6V
C	Capacitance	Blue	65	-	pF	VF=0V;f=1MHz
I _F	Forward Current	Blue	20	-	mA	VF=6V
I _R	Reverse Current	Blue	-	10	uA	VR = 5V

Absolute Maximum Ratings at T_A=25°C

Parameter	Blue	Units
Power dissipation	240	mW
Forward Voltage	7	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	

Blue BLFA052MBC-6V

