

T-1 (3mm) BLUE LED

L-934MBD GaN

L-934MBT GaN

L-934MBC GaN

### **Features**

- •LOW POWER CONSUMPTION.
- •SOLID STATE BLUE LIGHT SOURCE.
- •SUITABLE FOR FULL COLOR LED DSIPLAYS AND INDICATORS DIAGNOSTIC/ANALYTICAL EQUIPMENT.

## 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 handing the LEDs.

All devices, equipment and machinery must be electrically grounded.

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Package Dimensions

2 CATHODE

- 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 emergen package.
- ge package.

  4. Specifications are subjected to change without

## Selection Guide

Part No.	Dice	Case-Color	lv (mcd) @ 20 mA		Viewing Angle
			Min.	Max.	2q1/2
L-934MBD	Blue (GaN)	BLUE DIFFUSED	12.5	40	60°
L-934MBT	Blue (GaN)	BLUE TRANSPARENT	20	60	20°
L-934MBC	Blue (GaN)	WATER CLEAR	20	90	20°

Note: 1. 01/2 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	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength		430		nm	IF=20mA
Δλ1/2	Spectral Line Halfwidth		65		nm	IF=20mA
С	Capacitance	Blue (GaN)	100		pF	VF=0V;f=1MHz
V <sub>F</sub>	Forward Voltage		4.5	5.5	V	IF=20mA
I <sub>R</sub>	Reverse Current		10		uA	VR = 5V

# Absolute Maximum Ratings at $T_A$ =25°C

Parameter	Blue	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	200	mA
Reverse Voltage	5	V
Operation/Storage Temperature	-40 ° CTo +85 ° C	
Lead Solder Temperature [2]	260 °C For 5 Seconds	

Notes: 1. 1/10 Duty Cycle, 0.1ms Pulse Width. 2. 4mm below package base.



