

## Product Description

5mm through hole blinking Red and Blue LED. Features 470nm and 635nm wavelengths and a 20 degree viewing angle. Component LEDs are sensitive electronic devices and require some knowledge of electronic circuits to operate them. Price listed is per unit, however, bulk discounts are available and are automatically applied to your order.

## Specifications

Continuous Forward Current	20 mA	Forward Voltage	5.0V
LED Color	Blinking Red/Blue	LED Package	5 mm (T-1 3/4)
Lens	Clear	Lumen	0.2 Lumen
Millicandela	2000mcd	Operating Temperature	-40~+80 °C
Reverse Current	100mA	Reverse Voltage	5V
Storage Temperature	-40~+80 °C	Total Power Consumption	0.1 Watts
Tube Diameter	T1-3/4	Viewing Angle	20 degree
Wavelength	470 nm/635 nm		

Package Dimensions: 0.39" (1cm) x 0.24" (1cm) x 0.24" (1cm)

Package Weight: 0.01oz (0kg)

Part Number: RL5-BRB2020 - Blinking Red/Blue LED (GaN)

absolute maximum ratings: (TA=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Continuous Forward Current	IF	20	mA
Derating Linear From 50 °C		0.4	mA/°C
Reverse Voltage	VR	5.0	V
Operating Temperature	TA	-40~+80	°C
Storage Temperature	TSTG	-40~+80	°C

Lead Soldering Temperature (4mm from body) 260C (for 5 seconds)

**Optoelectric Characteristics:**

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	TEST
Viewing Angle	2 $\theta$ 1/2		20		Degree	IF=20mA
Operating Voltage	Vdd	3.0	5.0	10.0	V	IF=20mA
Reverse Current	IR			100	$\mu$ A	VR=5V
Peak Emission Wavelength		640	645	650	nm	IF=20mA
		463	468	473		
Dominant Wavelength		630	635	640	nm	
		460	470	480		
Luminous Intensity		1500	2000	4000	nm	
		1500	2000	4000		
Output Sink Current	I sink		45		mA	IF=20mA
Output Source Current	I source		25		mA	IF=20mA
Blinking Frequency	F blk	2.0	2.4	2.8	Hz	Vdd=5v