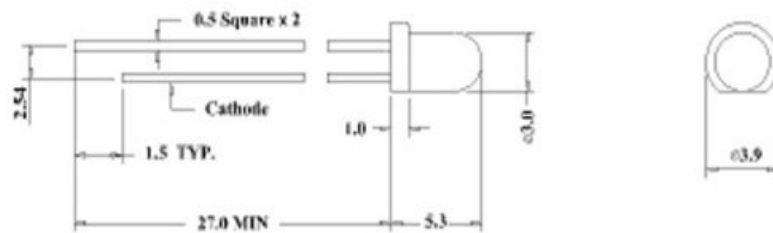


B300RGBF

Standard Ø3mm Tri-Colours  
Blinking LED Lamp

### Package Dimensions



Tolerance: ± 0.25  
Unit: mm

### Description

Part No.	LED Chip		Epoxy Lens Color
	Material	Emitting Color	
B300RGBF	AlGaInP	Red	Water Clear
	InGaN	Green	
	InGaN	Blue	

**B300RGB4F**Standard Ø3mm Tri-Colours  
Blinking LED Lamp**Electrical and Optical Characteristics:**

Parameter	Symbol	Rating	Colour	Min.	Typ.	Max.	Unit
Luminous Intensity Per Segment	I <sub>v</sub>	I <sub>f</sub> =20mA/seg.	Red	210	240	255	mcd
	I <sub>v</sub>	I <sub>f</sub> =20mA/seg.	Green	2400	3000	3600	mcd
	I <sub>v</sub>	I <sub>f</sub> =20mA/seg.	Blue	720	900	1080	mcd
Forward Voltage	V <sub>f</sub>	I <sub>f</sub> =20mA/seg.	Red	1.85		2.00	V
	V <sub>f</sub>	I <sub>f</sub> =20mA/seg.	Green	3.00		3.50	V
	V <sub>f</sub>	I <sub>f</sub> =20mA/seg.	Blue	3.00		3.50	V
Peak Wavelength	λ <sub>bbP</sub>	I <sub>f</sub> =20mA/seg.	Red		640		nm
	λ <sub>bbP</sub>	I <sub>f</sub> =20mA/seg.	Green	525		530	nm
	λ <sub>bbP</sub>	I <sub>f</sub> =20mA/seg.	Blue	465		470	nm
Reverse Current Per Chip (Leakage Current Per Chip)	I <sub>r</sub>	V <sub>r</sub> =5V				100	μA

Parameter	Symbol	MIN.	TYP.	MAX.	Unit
Operating Voltage	V <sub>DD</sub>	-	3.0	5.0	V
Operating current	I <sub>OP</sub>	0.1	0.3	0.5	mA
Quiescent Current	I <sub>SB</sub>	-	1	-	μA
Driving Current	I <sub>OL</sub>	-	26	-	mA
Flash Frequency	F <sub>TET</sub>	-	1.7	-	Hz
Operating Temperature	T <sub>OPR.</sub>	0	-	70	□
Storage Temperature	T <sub>STG.</sub>	-35 to +85			□
Lead Soldering Temperature	T <sub>SOL.</sub>	260 for 5s MAX.			□