

**ROITHNER LASERTECHNIK GmbH**

WIEDNER HAUPTSTRASSE 76

1040 VIENNA

AUSTRIA

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**A6-RGB-3****HIGH POWER RGB EMITTER, 3W**Characteristics Parameter at Ta=25°C Tj≤80°C I_{op}=1050mA

Part Number	Emitting Color	λ_p Wavelength (nm)	Lens Type	Forward Voltage Vf(V)	Luminous Flux(lm)	Viewing Angle (°)
A6-RGB-3	RED	620—630	Water Clear	2.6—3.5	18—28	80±5
	GREEN	515—525		3.7—4.2	40—50	
	BLUE	458—465		3.3—3.7	7—15	

Absolute Maximum Ratings at Ta=25°C

Characteristics	Symbol	MAX	Unit
Power Dissipation	P _D	R:1225 G:1470 B:1295	mW
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	Total:3150 Each color@:1050	mA
Reverse Voltage	V _R	5	V
Reverse Current	I _R	≤50	μA
Operating Temperature	T _{opr}	-40—80	°C
Storage Temperature	T _{spr}	-40—100	°C
Lead Soldering Temperature(5mm From Body)	260 ≤5s		°C

NOTES:

1. All dimensions are millimeters;
2. Tolerances are ±0.1mm unless otherwise specified.
3. Under the stipulated Characteristics parameters above, the life span of the LED is more than 20,000 hours.
4. The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
5. The above data are from our company's testing condition.



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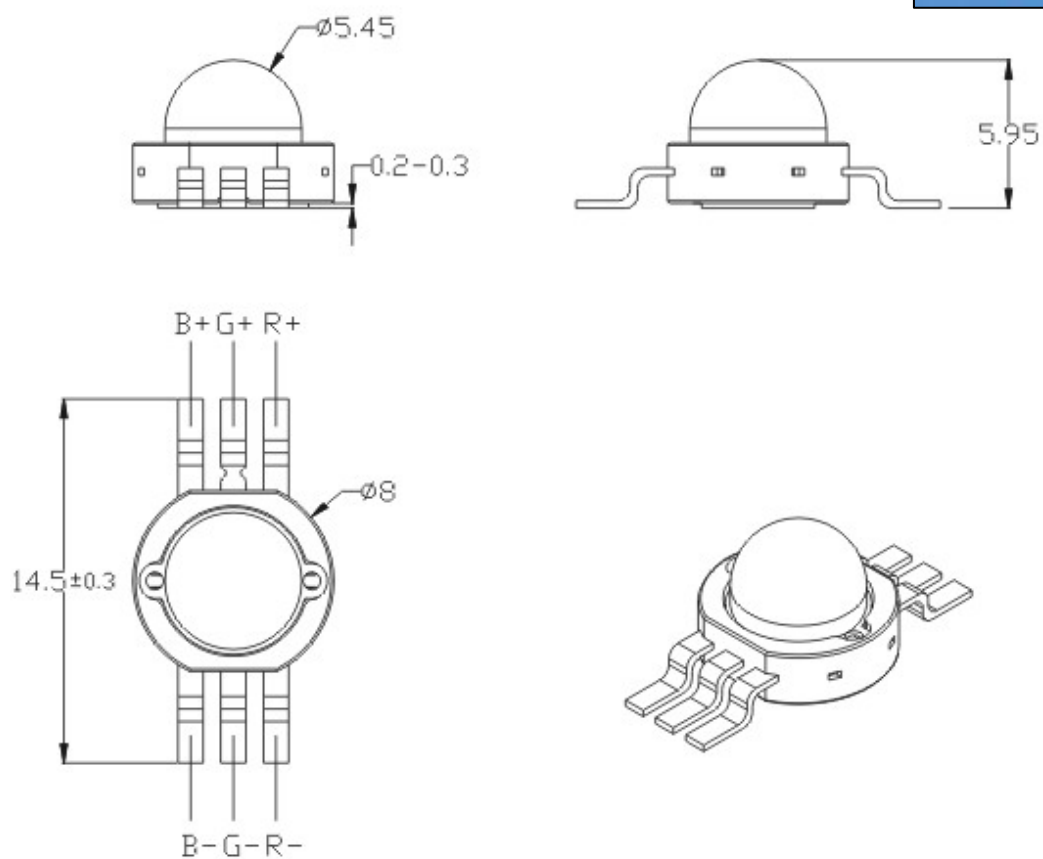
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Figure And Size

Package Dimensions And Materials



Chip		Lens Color
Material	Emitting Color	
AlGaInP	Red	Water clear
InGaN	Green	
InGaN	Blue	