

0805 RGB smd led



Product Details

Type: SMD LED

Chip Material: AlGaInP/InGaN

Emitting Color: Tri-Color(Red-Blue-Green)

Luminous Intensity: 50-500mcd

Luminous Flux(lm): 100

Optical Attenuation(%): 0

Power: 0.05w

Power Dissipation: 0.05

Viewing Angle(°): 120

Color Rendering Index(Ra): 1

Color Temperature: 5000-7000

Operating Temperature(°C): -30 - 80

Storage Temperature(°C): -40 - 90

Place of Origin: China (Mainland)

Certification: CE, RoHS

Certificate: ISO9001,14001,REACH,ROHS

Application: Office Electronic Equipment, Household Appliances, Instruments, etc

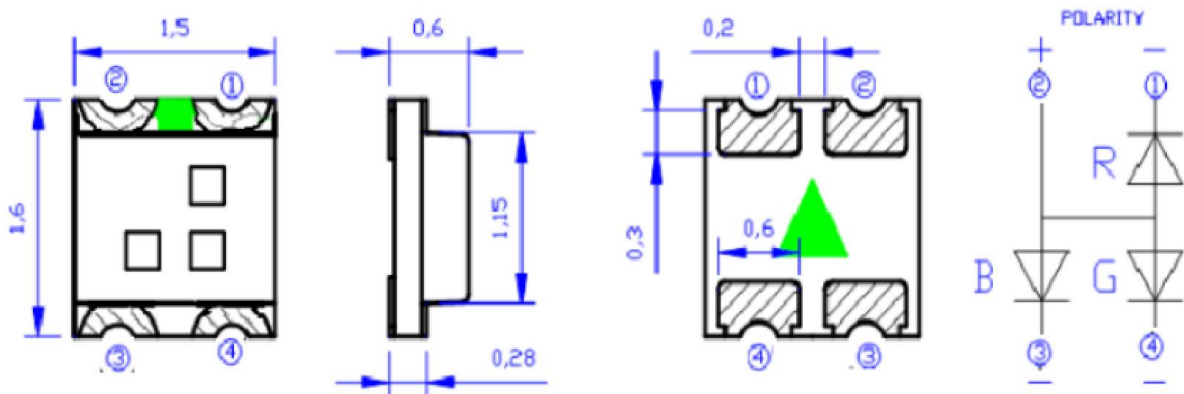
Operating Temperature: -45-80 °C

Life span: Over 50000 hours

Packaging Details : reel(4000pcs/reel)

Product Description

Part No:	0RGB
Digit height:	
Dimensions:	1.6x1.5x0.6 mm
LED Chip:	AlGaInP/InGaN
Available Emitting color:	Red/Blue/Green
Surface color:	
Epoxy colors:	Milky/Yellow
Polarity:	



4. 最大绝对额定值 (Ta=25°C)				
参数	符号	最大额定值		单位
消耗功率	Pd	R	60	mW
		G	90	mW
		B	90	mW
最大脉冲电流 (1/10占空比, 0.1ms脉宽)	IFP	R	70	mA
		G	100	mA
		B	100	mA
正向直流工作电流	IF	30		mA
反向电压	VR	5		V
工作环境温度	Topr	-30°C ~ + 85°C		
存储环境温度	Istg	-40°C ~ + 90°C		
焊接条件	Tsol	回流焊 : 260°C , 10s		
		手动焊 : 300°C , 3s		

五、光电参数 (Ta=25℃)							
参数	符号	颜色	最小值	代表值	最大值	单位	测试条件
光强	IV	R	100		120	<u>mcd</u>	IF = 20mA
		G	400		500	<u>mcd</u>	IF = 20mA
		B	140		170	<u>mcd</u>	IF = 20mA
半光强视角	2θ 1/2	---		120		<u>deg</u>	IF = 20mA
主波长	<u>λ d</u>	R	620		623	<u>nm</u>	IF = 20mA
		G	520		525	<u>nm</u>	IF = 20mA
		B	460		463	<u>nm</u>	IF = 20mA
正向电压	VF	R	1.9		2.1	<u>V</u>	IF = 20mA
		G	2.8		3.0	<u>V</u>	IF = 20mA
		B	2.8		3.0	<u>V</u>	IF = 20mA
反向电流	IR	---		---	5	<u>μ A</u>	VR = 5V