

FM-B2020RGBA-HG



光电参数

Electro-Optical Characteristics

- ◇ **极限参数** (温度=25°C)
 Absolute Maximum Ratings (Temperature=25°C)

参数名称	Parameter	符号	Symbol	数值	Rating	单位	Unit
正向电流	Forward Current	IF		20		mA	
正向脉冲电流*	Pulse Forward Current*	红	Red	IFP		50	mA
		绿	Green			40	
		蓝	Blue			40	
反向电压	Reverse Voltage	VR		5		V	
工作温度	Operating Temperature	TOPR		-30 ~ +85		°C	
贮存温度	Storage Temperature	Tstg		-40 ~ +100		°C	
功耗	Power Dissipation	红	Red	PD		48	mW
		绿	Green			64	
		蓝	Blue			64	

* 注: 脉冲宽度 ≤ 0.1ms, 占空比 ≤ 1/10 * Note: Pulse Width ≤ 0.1ms, Duty ≤ 1/10

- ◇ **光电参数** (温度=25°C)
 Electro-Optical Characteristics (Temperature=25°C)

参数名称	符号	条件	颜色	最小值	典型值	最大值	单位
Parameter	Symbol	Condition	Color	Min.	Typ.	Max.	Unit
反向电流	IR	VR=5	-	-	-	10	μA
正向电压	VF	IF=8mA	红 Red	1.6	2.0	2.4	V
		IF=5mA	绿 Green	2.4	2.7	3.2	
		IF=3mA	蓝 Blue	2.4	2.8	3.2	
主波长	λD	IF=8mA	红 Red	615	621	630	nm
		IF=5mA	绿 Green	515	532	540	
		IF=3mA	蓝 Blue	460	469	480	
半波宽度	Δλ	IF=8mA	红 Red	-	-	24	nm
		IF=5mA	绿 Green	-	-	38	
		IF=3mA	蓝 Blue	-	-	28	
光强	Iv	IF=8mA	红 Red	30	71	110	mcd
		IF=5mA	绿 Green	90	171	270	
		IF=3mA	蓝 Blue	12	25	40	
视角	2θ1/2	-	-	-	110	-	deg.

* 注 1: 光强偏差 ± 15%; 压降偏差 ± 0.1V; (X,Y)坐标偏差 ± 0.01; 单色光波长偏差 ± 1nm.

* Note1: Tolerance on each Luminous Intensity bin is ± 15%; Tolerance on each Forward Voltage bin is ± 0.1V; Tolerance on each Hue(X,Y) bin is ± 0.01; Tolerance of Dominant Wavelength ± 1nm.

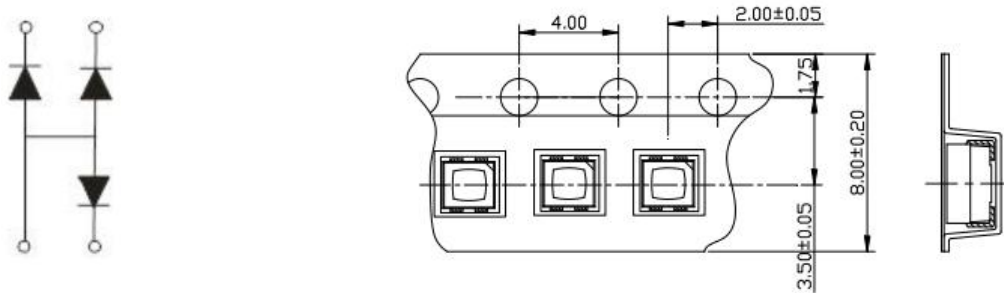
* 注 2: 以上参数仅供参考, 请以实物标签为准。我司给出的参数均由国星测试系统测得。

* Note2: The parameters above are only for your reference. In case of any discrepancy, please adhere to the label of our actual products. All parameters are tested by the standard testing system of NationStar.

包装

Packaging

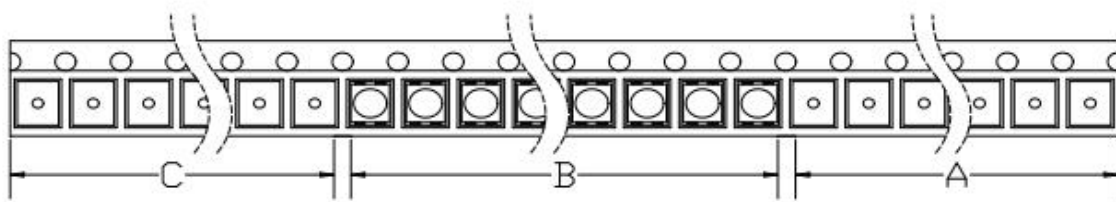
◇ 载带 Carrier Tape



单位: mm, 未注公差: ±0.1 mm
All dimensions in mm, tolerances unless mentioned is ±0.1 mm.

◇ 编带细节 Details Of Carrier Tape

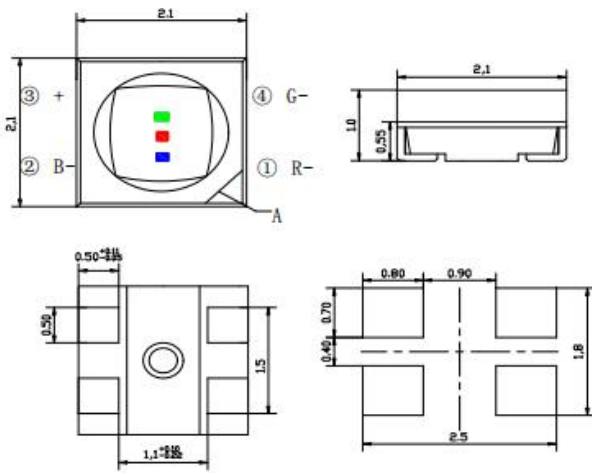
前进方向 Progressive Direction →



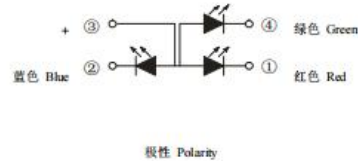
A: 引导, 空带, 300mm B: 编载产品 17000 只; C: 尾部, 空带, 100mm
A: Leader, Empty, 300mm; B: 17000 Lamps Loaded; C: Trailer, Empty, 100mm.

外形尺寸

Outline Dimension



参考焊盘 Reference Soldering Pad



Note:
A : 缺口标志
A : Nick Mark
单位: mm;
All dimensions in mm.
公差: X.X ±0.1 mm
X.XX ±0.05mm
Tolerances: X.X ±0.1 mm
X.XX ±0.05mm