



PRODUCT SPECIFICATION

Part No.: HG-5R4UTA
LED DIODE

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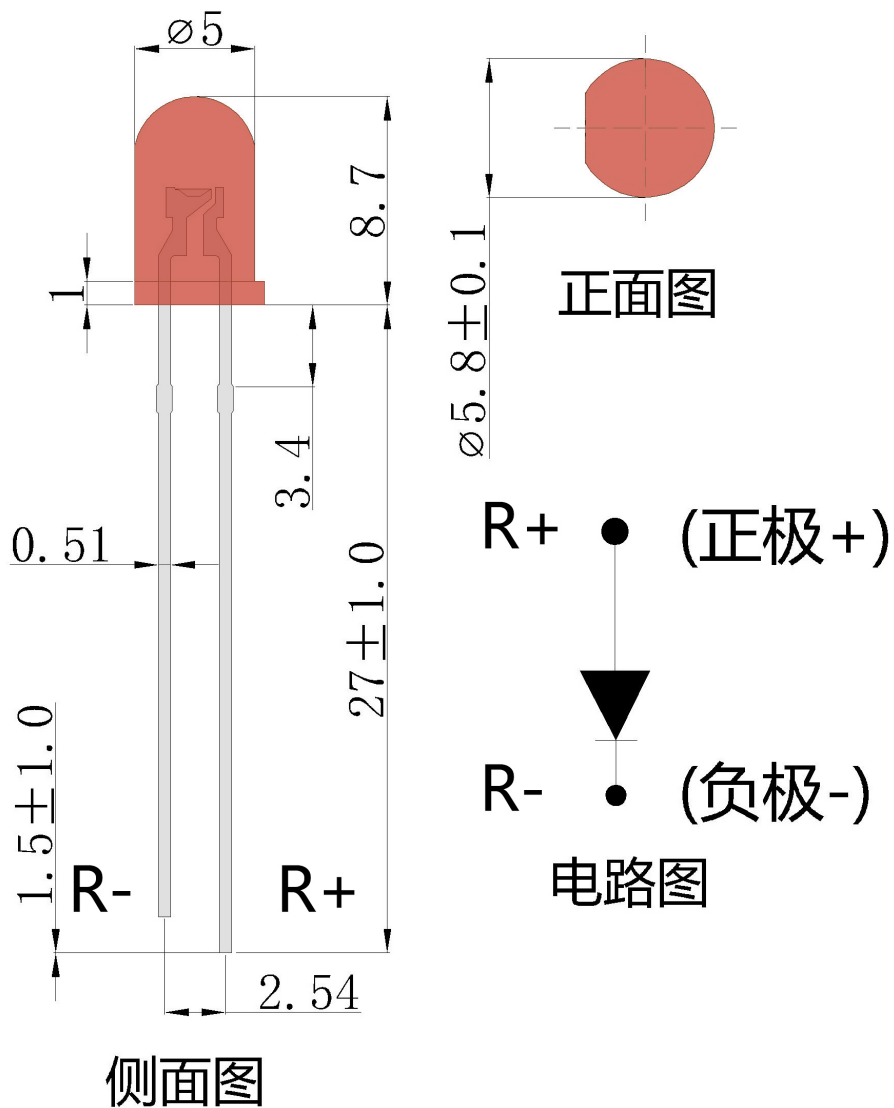
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1.Product Features

- High-brightness red LED round package
- Luminous Angle 60°
- Epoxy resin
- Chip material: InGaN
- RoHS

2.Dimensions



Notes:

1. All dimensions are in millimeters.
2. Tolerance is ± 0.1 mm unless otherwise noted.



3. Absolute Maximum Rating @ Ta=25° C

Parameter	Symbol	Maximum	Unit
Continuous Forward Current	IF	20	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFp	50	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD		mW
Electrostatic Discharge	ESD	1000	V
Operating Temperature Range	TOPR	-25°C to +80°C	
Storage Temperature Range	TSTG	-35°C to +100°C	
Lead Soldering Temperature	TSOL	260°C	

4. 光学特征 @ Ta=25°C

Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	VF	R	2.0	2.15	2.3	V	IF=20mA
Luminous Flux	Iv	R	350	400	450	mcd	IF=20mA
Wavelength	WIP	R	620	622.5	625	nm	IF=20mA
Reverse Current	IR		0		1	μA	VR=5V
Viewing Angle	2θ1/2			60		deg	IF=20mA
Recommend Forward Current	IF(rec)	R			20	mA	

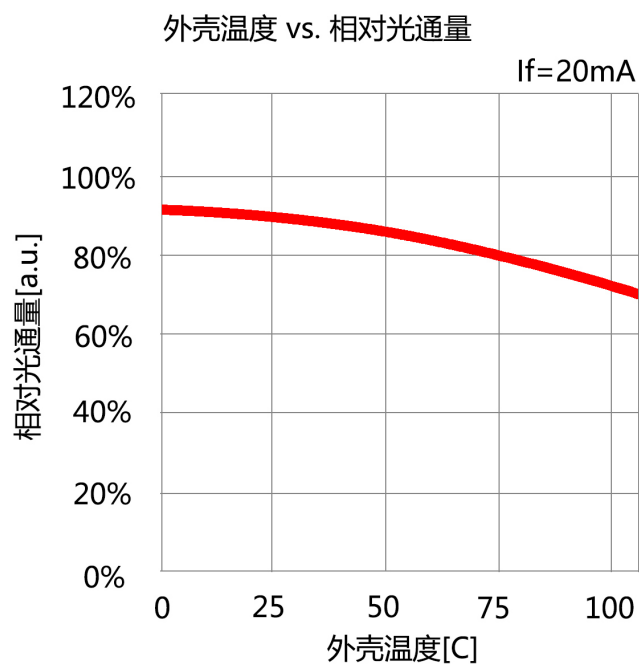
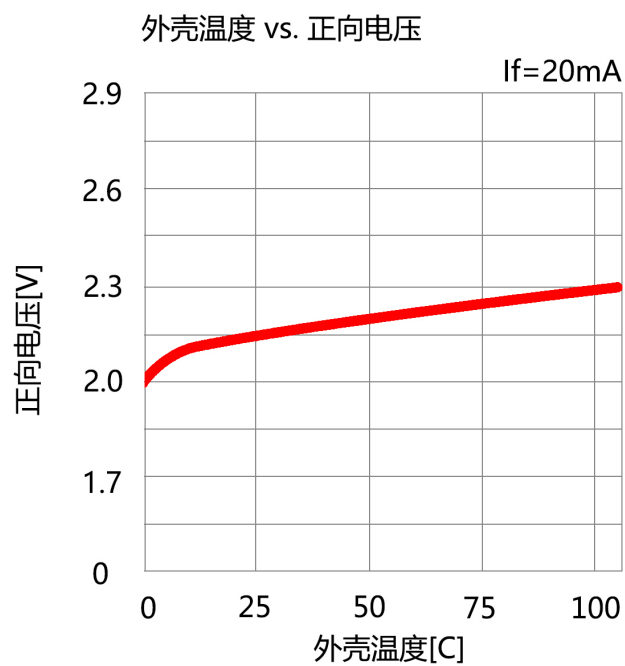
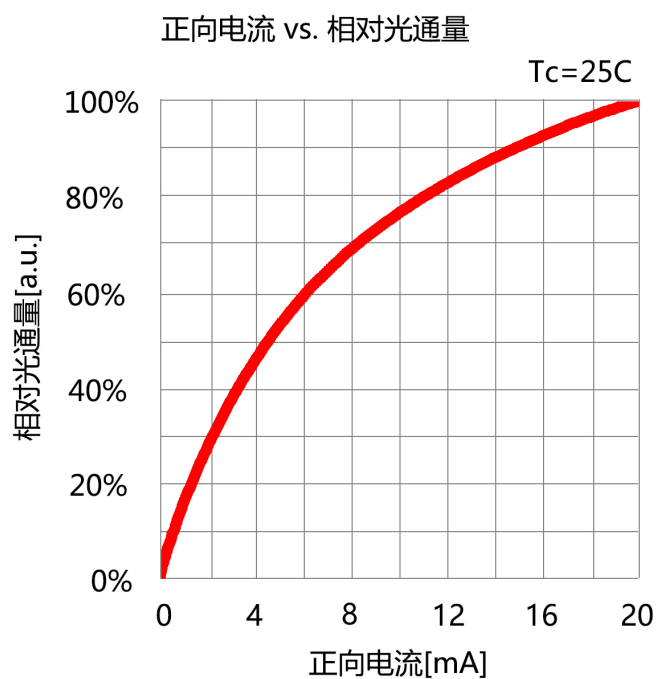
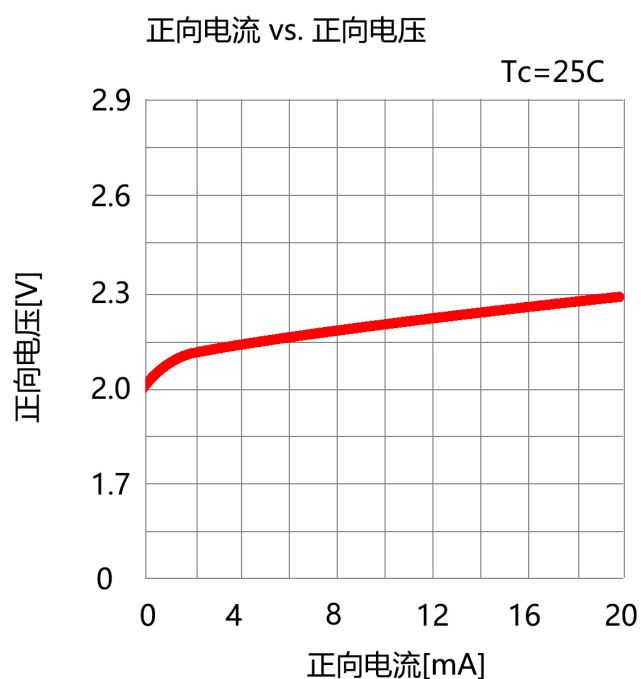
Notes:

Measurement tolerance of forward voltage±0.1V



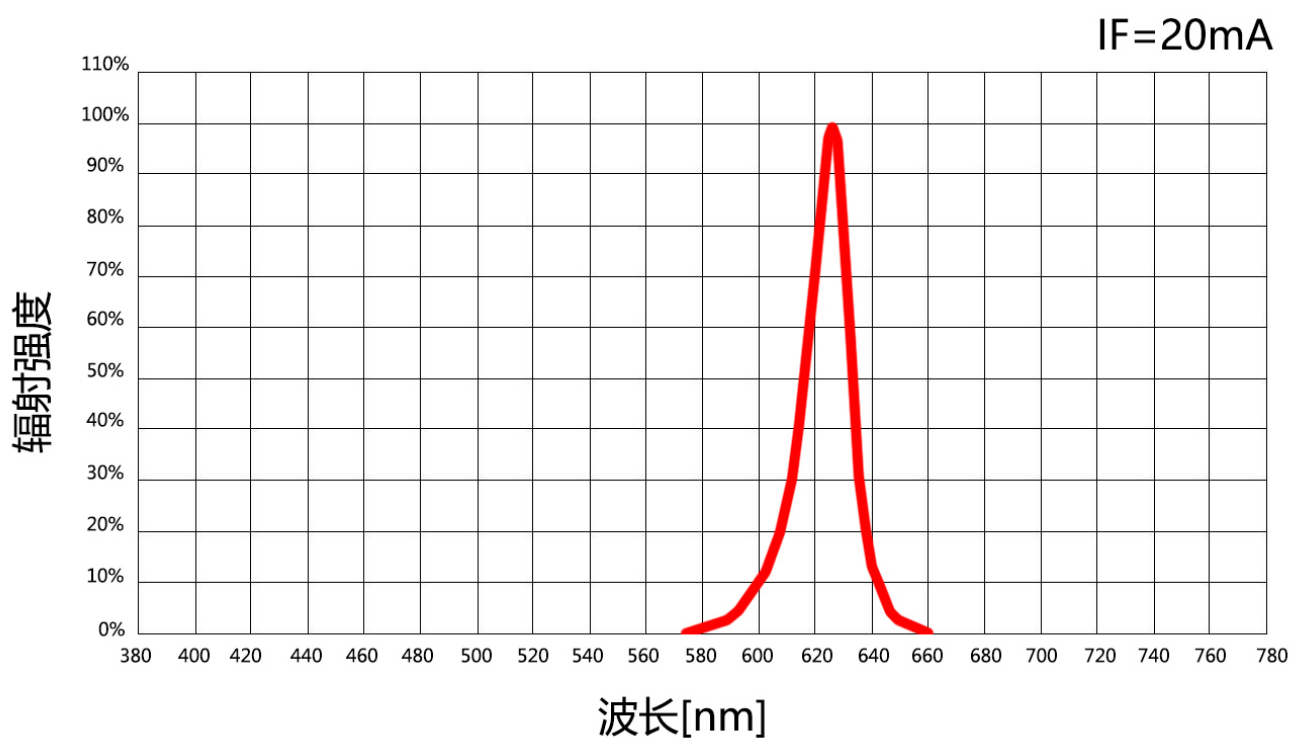
5. Optical Character Curves

(Unless otherwise stated, the ambient temperature is 25°)





6. Spectrum Curves



7. Viewing Angle Curves

