FOR 3W HIGH-POWER LED

A-HR511W-AC15-3W-STAR

FEATURES

- Soldering method: SMT
- Small package with high efficiency
- High reliability and a broad range of colors and packages.
- Pb free.
- Remain within RoHS compliant version.

DESCRIPTION

- These devices are designed from advanced optical grade epoxy,
- which provide superior high temperature performance and excellent moisture resistance.

APPLICATION

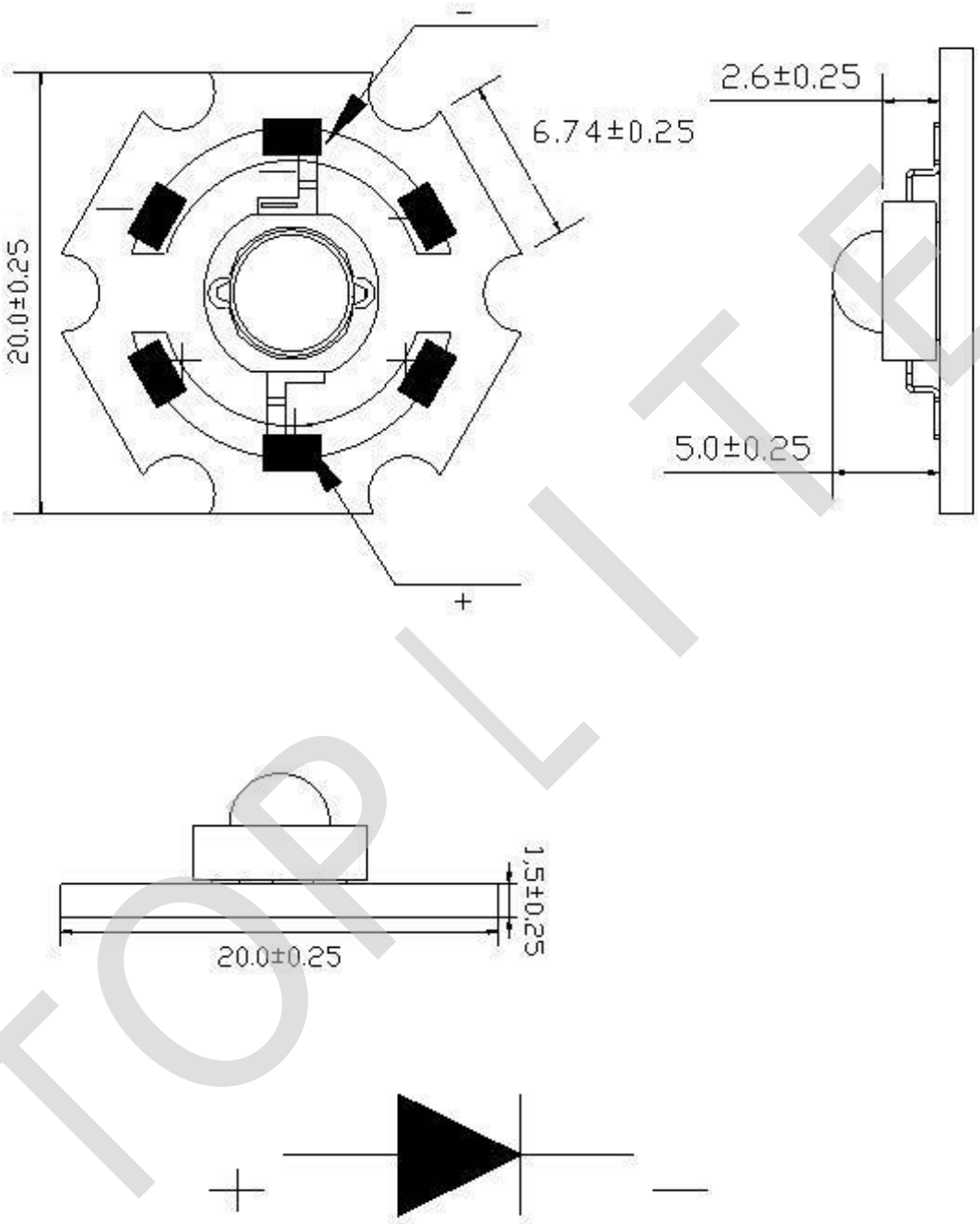
- General Lighting
- Decorative and Entertainment Lighting
- Signal and Symbol Luminaries for orientation marker lights (e.g. steps, exit ways, etc.)
- Exterior and Interior Automotive Illumination
- Agriculture Lighting

Ordering Information

Part Number	Size	Luminous flux typ.(lm)	Drive Current (mA)
A-HR511W-AC15-3W-STAR	/	200	700

URL: www.topliteusa.com
Email: sales@toplightusa.com

PACKAGE DIMENSIONS



Notes:
1. All dimension units are millimeters.
2. All dimension tolerance is ±0.2mm unless otherwise noted.

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ELECTRICAL/OPTICAL CHARACTERISTIC (1)

ABSOLUTE MAXIMUM RATINGS (Ta=25° C)

PARAMETER PER SEGMENT	SYMBOL	MAX	UNIT
Reverse Voltage	V_R	5	V
Forward Current	I_F	700	mA
Peak Forward Current	I_{FP}	1500	mA
Power Dissipation	P_D	2.8	W
Soldering time	t	3	SEC
Operating Temperature Range	TOPR	- 25 ~ + 75	℃
Storage Temperature Range	T_{STG}	- 25~ + 85	℃
Soldering iron power	P	≤60	W
Solder Temperature 1/16 inch below seating plane for 3 seconds MAX 260℃			

* All high power emitter LED products mounted on aluminum metal-core printed circuit board, can be lighted directly, but we do not recommend lighting the high power products for more than 5 seconds without a appropriate heat dissipation equip-ment. wave peak and soak-stannum soldering etc.is not suitable for this products.Reflow soldering should not be done more than two times.The reflow temperature we recommend is 180℃

ELECTRICAL-OPTICAL CHARACTERISTICS （Ta=25° C）

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITIONS
Forward Voltage	V_F	3.00	-	3.60	v	I_F=700mA
Luminous Flux	I_V	-	200	-	lm	
CRI	Ra	-	75	-	deg	
CCT	Tc	5500	-	6000	K	
Reverse Current	I_R	-	-	10	uA	V_R=-5v

Notes:

1.Tolerance of measurement of forward voltage±3%、peak Wavelength±2.0nm、luminous flux±5%

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