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# Automotive Exterior LEDs

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## Automotive Exterior LEDs

- Head Lamp
- DRL/Position Lamp
- ADB Head Lamp
- Rear Lamp
- Turn Indicator
- Infrared Light





## BUA1054A BUA1054A-T

For two lens Low beam unit /  
single lens High beam unit



Size(mm)	31.5 × 21.0 × 7.73	
Luminous Flux	Typ.	2,350 lm
	IF	1,800 mA
Chromaticity Coordinates	x	0.325
	y	0.335
Forward Voltage	Typ.	12.7 V
Junction Temperature	150 °C	
Thermal Resistance / Rth(j-b)	Typ.	0.7 K/W
Operating Temperature	-40°C~ 120°C	

## Head Lamp 前大灯

Highly efficient COB type LED with high heat dissipation technology  
and connector-type power supply.

We are available for consultation regarding connectors.

提高散热性，高效率 COB 型器件  
接电方法采用了连接器方式，我司可以提供连接器



Head lamp unit

## BUA1056A BUA1056A-T

For single lens Low beam unit /  
single lens High beam unit.



Size(mm)	31.5 × 21.0 × 7.9	
Luminous Flux	Typ.	1,290 lm
	IF	1,800 mA
Chromaticity Coordinates	x	0.325
	y	0.335
Forward Voltage	Typ.	7.0 V
Junction Temperature	150 °C	
Thermal Resistance / Rth(j-b)	Typ.	0.7 K/W
Operating Temperature	-40°C~ 120°C	

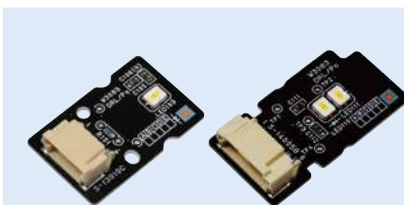


## DRL/Position Lamp

日间行车灯 / 位置灯

High-flux, ceramic type LED package. This device is most advantageous to optical design using light guide, etc.

高功率的贴片型陶瓷封装  
有利于导光方式等光学设计的点光源器件



High power SMD type LED; also supports assembly with resistors, connectors, etc. mounted on metal PCB. For further details, please contact our sales offices or refer to our website.

高功率SMD型LED, 還能夠支持安裝在金屬PCB上的電阻器、連接器等組裝。欲了解更多詳細內容, 請聯繫我們的銷售辦事處或參閱我們的網站。

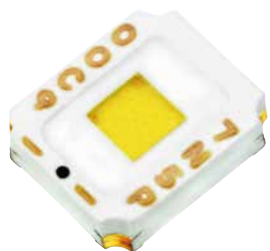
## ADB Head Lamp

ADB 系統前大燈

Compact, high-flux SMD type LED package. Ideal for high-density mounting in narrow spaces.

高功率小型贴片封装最适用在狭窄空间的贴片, 及LED的紧接配置的应用

### HCNW115AJTE



Size(mm)	3.0 × 2.5 × 0.77	
Luminous Flux	Typ.	315 lm
	IF	1,000 mA
Chromaticity Coordinates	x	0.326
	y	0.335
Forward Voltage	Typ.	3.25 V
Junction Temperature	150 °C	
Thermal Resistance / Rth(j-s)	Typ.	3.0 K/W
Operating Temperature	-40°C~125°C	

### HCXW115CATE



Size(mm)	1.28 × 2.18 × 0.57	
Luminous Flux	Typ.	310 lm
	IF	1,000 mA
Chromaticity Coordinates	x	0.326
	y	0.335
Forward Voltage	Typ.	3.2 V
Junction Temperature	150 °C	
Thermal Resistance / Rth(j-s)	Typ.	2.7 K/W
Operating Temperature	-40°C~125°C	

### HCNW125DJTE



Size(mm)	4.0 × 3.2 × 0.77	
Luminous Flux	Typ.	620 lm
	IF	1,000 mA
Chromaticity Coordinates	x	0.326
	y	0.335
Forward Voltage	Typ.	6.5 V
Junction Temperature	150 °C	
Thermal Resistance / Rth(j-s)	Typ.	1.8 K/W
Operating Temperature	-40°C~125°C	





## Rear Lamp

### 后组合灯

Red SMD package for tail and stop lamp.  
Two levels of brightness are available in accordance with the rear lamp design.  
尾灯及刹车灯用的红色贴片封装  
提供两种类型的亮度产品贴合灯体的设计

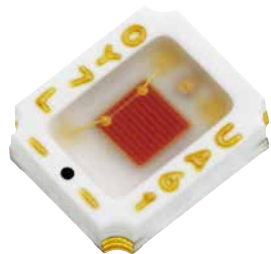
### HFT□1108GS



	HFTV1108GS		HFTR1108GS*	
Size(mm)	3.4 × 3.3 × 1.9		3.4 × 3.3 × 1.9	
Luminous Intensity	Typ.	8,000 mcd	Typ.	4,000 mcd
	IF	140 mA	IF	140 mA
Dominant Wavelength	Typ.	617 nm	Typ.	630 nm
Forward Voltage	Typ.	2.15 V	Typ.	2.1 V
Junction Temperature	125 °C			
Thermal Resistance / Rth(j-s)	Typ.	30.0 K/W		
Operating Temperature	-40°C ~ 110°C			

\* HFTR1108GS  
Under development

### HFZ□111AJTE



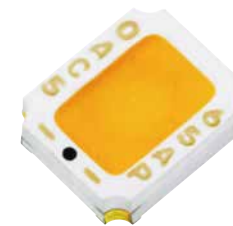
	HFZV111AJTE		HFZR111AJTE	
Size(mm)	3.0 × 2.5 × 0.77		3.0 × 2.5 × 0.77	
Luminous Flux	Typ.	64 lm	Typ.	32 lm
	IF	350 mA	IF	350 mA
Dominant Wavelength	Typ.	617 nm	Typ.	633 nm
Forward Voltage	Typ.	2.1 V	Typ.	2.1 V
Junction Temperature	150 °C			
Thermal Resistance / Rth(j-s)	Typ.	4.0 K/W		
Operating Temperature	-40°C ~ 125°C			

## Turn Indicator

### 转向灯

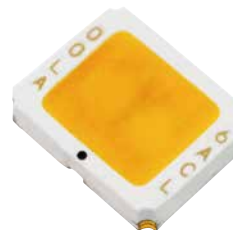
High-flux, ceramic type LED package.  
This device is most advantageous to optical design using light guide, etc.  
高功率的贴片陶瓷封装  
有利于导光方式等光学设计的点光源器件

### HCNY115AJTE



Size(mm)	3.0 × 2.5 × 0.77		Forward Voltage	Typ.	2.95 V
Luminous Flux	Typ.	71 lm	Junction Temperature	150 °C	
	IF	350 mA	Thermal Resistance / Rth(j-s)	Typ.	4.0 K/W
Chromaticity Coordinates	x	0.566	Operating Temperature	-40°C ~ 125°C	
	y	0.423			

### HCNY125DJTE



Size(mm)	4.0 × 3.2 × 0.77		Forward Voltage	Typ.	6.0 V
Luminous Flux	Typ.	246 lm	Junction Temperature	150 °C	
	IF	700 mA	Thermal Resistance / Rth(j-s)	Typ.	2.0 K/W
Chromaticity Coordinates	x	0.566	Operating Temperature	-40°C ~ 125°C	
	y	0.423			

### HCXY115CATE



Size(mm)	1.28 × 2.18 × 0.57		Forward Voltage	Typ.	3.0 V
Luminous Flux	Typ.	125 lm	Junction Temperature	150 °C	
	IF	700 mA	Thermal Resistance / Rth(j-s)	Typ.	2.2 K/W
Chromaticity Coordinates	x	0.566	Operating Temperature	-40°C ~ 125°C	
	y	0.423			



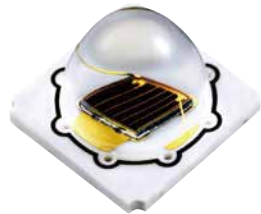
# Infrared Light

## 红外

Infrared light source for sensing applications inside and outside the vehicle and for camera monitoring. Two types of wavelength and spatial distribution lineups in accordance with each application.

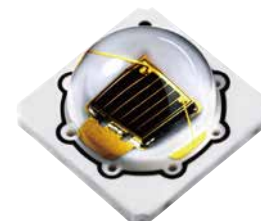
用于车内车外传感，摄像头监控的红外光源  
根据用途提供两种类型的波长和发光角度的产品

### M□N1105MS



	MGN1105MS		MFN1105MS	
Size(mm)	3.8 × 3.8 × 2.8		3.8 × 3.8 × 2.8	
Radiant Intensity	Typ.	530 mW/sr	Typ.	440 mW/sr
	IF	1,000 mA	IF	1,000 mA
Peak Wavelength	855 nm		945 nm	
Forward Voltage	Typ.	1.8 V	Typ.	1.5 V
Half Intensity Angle	60 deg.			
Junction Temperature	125 °C			
Thermal Resistance / Rth(j-s)	Typ.	5.0 K/W		
Operating Temperature	-40°C~125°C			

### M□N1106MS



	MGN1106MS		MFN1106MS	
Size(mm)	3.8 × 3.8 × 2.1		3.8 × 3.8 × 2.1	
Radiant Intensity	Typ.	280 mW/sr	Typ.	230 mW/sr
	IF	1,000 mA	IF	1,000 mA
Peak Wavelength	855 nm		945 nm	
Forward Voltage	Typ.	1.8 V	Typ.	1.5 V
Half Intensity Angle	120 deg.			
Junction Temperature	125 °C			
Thermal Resistance / Rth(j-s)	Typ.	5.0 K/W		
Operating Temperature	-40°C~125°C			

### Product Information Updates

The latest information regarding our products is available on the Stanley Electric website. Please visit our website for further information.

**Website** <https://www.stanley-components.com/en/>

- The performance and specifications presented in this catalog may be revised without prior notice to reflect advancements in technological development.
- The contents of this catalog are current as of June 2019.

All vehicle pictures in this brochure are examples of adoption, and may be different from what is actually used.