

**Inolux 5mm Oval Lamp  
HTOV511040XX Series**

Official Product	HTOV511040XX Series	Customer Part No.		Data Sheet No.
	*****	*****		HTOV511040XX Series
Specifications are subject to change without notice. Data and drawings herein are copyrighted.		June 27, 2013	Version of 1.0	Page 1/10

## DISCLAIMER

INOLUX reserves the right to make changes without further notice to any products herein to improve reliability, function or design. INOLUX does not assume any liability arising out of the application or use of any product or circuit described herein; neither does it convey any license under its patent rights, nor the rights of others.

## LIFE SUPPORT POLICY

INOLUX's products are not authorized for use as critical components in life support devices or systems without the express written approval of the President of INOLUX or INOLUX INTERNATIONAL. As used herein:

1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury of the user.
  
2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

Official Product	HTOV511040XX Series	Customer Part No.		Data Sheet No.
	*****	*****		HTOV511040XX Series
Specifications are subject to change without notice. Data and drawings herein are copyrighted.		June 27, 2013	Version of 1.0	Page 2/10

**Orderable Information**

**H T O V 5 1 1 0 4 0 X X - Y Y Y Y**

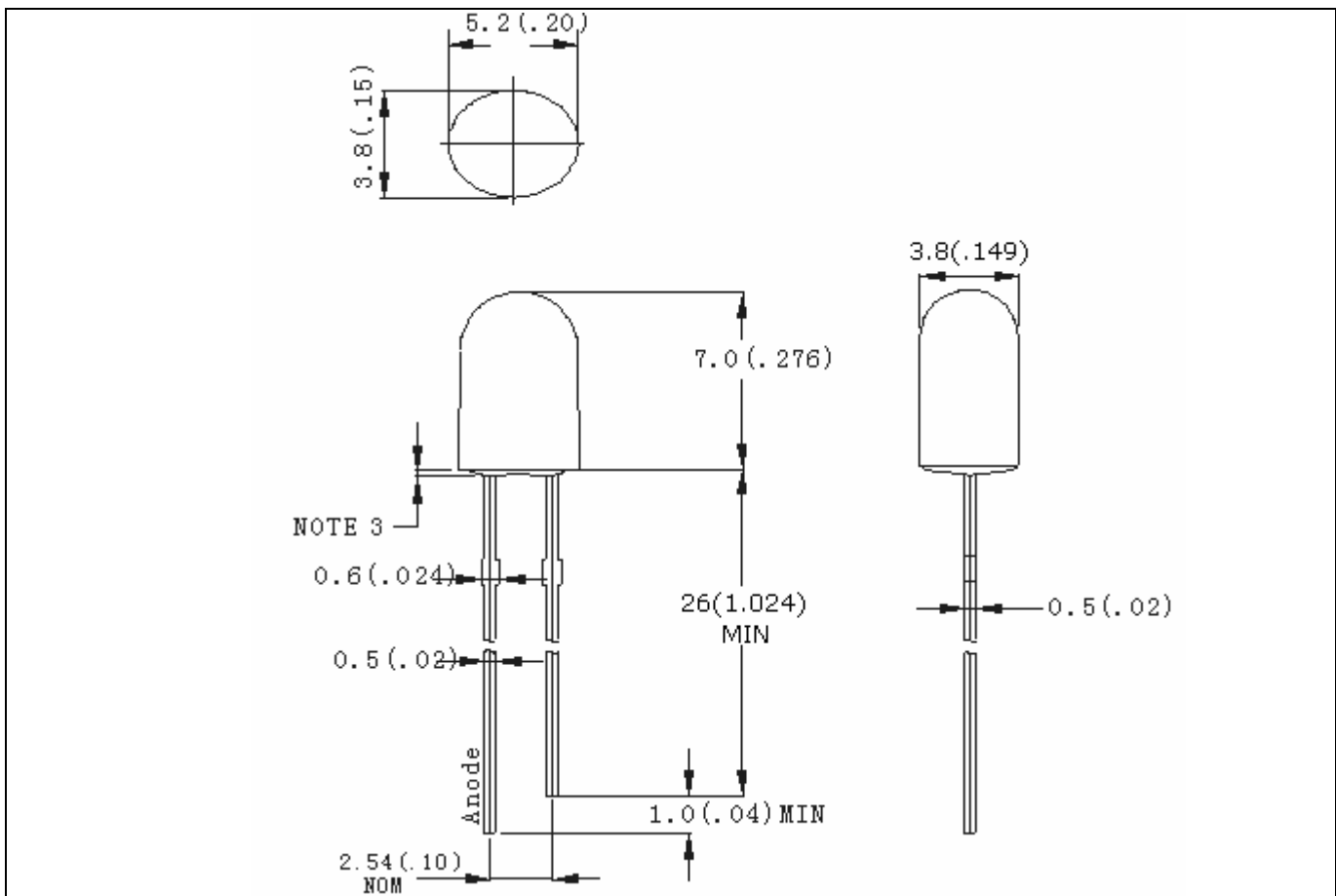


Series Name	Lamp Type	Viewing Angle	Color Code	Customer Code
HTOV= Inolux Oval Lamp	5= 5mm	11040= 110°/40°	<b>UR</b> = 624nm AllnGaP Red <b>UTG</b> = 525nm InGaN True Green <b>UY</b> = 590nm AllnGaP Yellow <b>UB</b> = 470nm InGaN Blue	YYYY = Customer code

Official Product	HTOV511040XX Series	Customer Part No.		Data Sheet No.
	*****	*****		HTOV511040XX Series
Specifications are subject to change without notice. Data and drawings herein are copyrighted.		June 27, 2013	Version of 1.0	Page 3/10

**Features:**

- Stable Color
- Popular 5mm 110/40 Oval Lamp
- Color Diffused Lens
- InGaN and AlInGaP technology
- Solid state reliability
- Special packaging available upon request



-All Dimensions are in millimeters

-Tolerance = +/- 0.25mm

Official Product	HTOV511040XX Series	Customer Part No.	Data Sheet No.
	*****	*****	HTOV511040XX Series
Specifications are subject to change without notice. Data and drawings herein are copyrighted.		June 27, 2013	Version of 1.0
			Page 4/10

### Absolute Maximum Ratings at Ta=25C

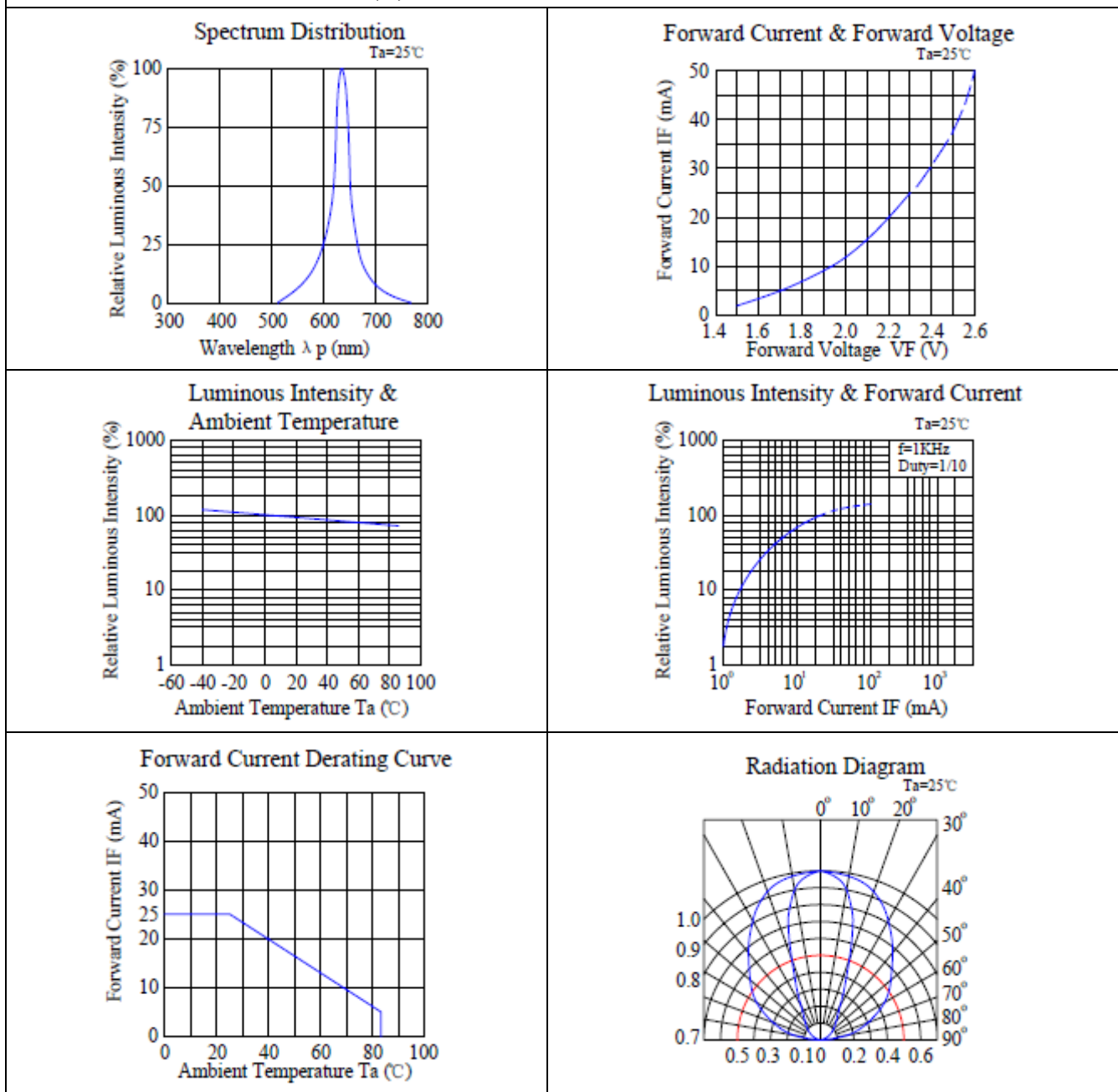
Parameter	Symbol	AllInGaP Material	InGaN Material	Unit
Power Dissipation	P <sub>d</sub>	62	100	mW
Reverse Voltage	V <sub>r</sub>	5	5	V
Forward Current	I <sub>F</sub>	25	25	mA
Reverse Current	I <sub>r</sub>	10	10	μA
Peak Current ( 1/10 Duty Cycle, 0.1ms pulse width )	I <sub>F</sub> (Peak)	100	100	mA
Operating Temperature Range	T <sub>opr</sub>	-40 to +85		° C
Storage Temperature Range	T <sub>stg</sub>	-40 to +100		° C
Lead Soldering Temp	T <sub>sol</sub>	260		° C

### Electrical and Optical Characteristic ( @ 25 degree C )

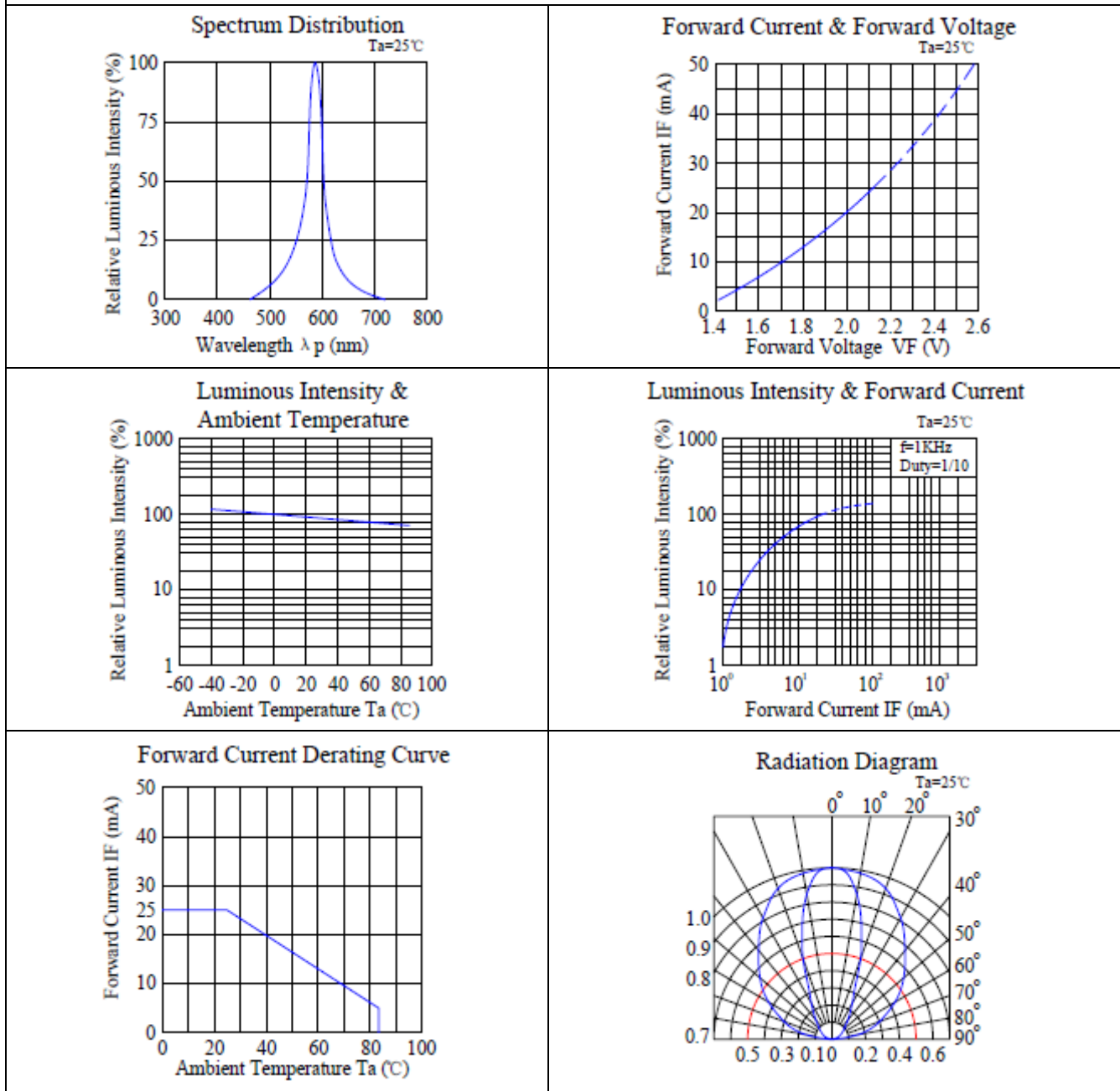
Parameter	UR	UTG	UY	UB	Test Condition
Luminous Intensity:					
Min (mcd)	620	890	620	300	If=20mA
Typ (mcd)	700	1800	850	520	If=20mA
Forward voltage (V <sub>f</sub> )					
Typ	2.2	3.2	2.2	3.2	If=20mA
Max	2.6	4.0	2.6	4.0	If=20mA
Dominant Wavelength (nm)	624	525	590	468	If=20mA
Viewing angle	110/40	110/40	110/40	110/40	If=20mA

- Brightness tolerance = +/- 10%

Official Product	HTOV511040XX Series	Customer Part No.		Data Sheet No.
	*****	*****		HTOV511040XX Series
Specifications are subject to change without notice. Data and drawings herein are copyrighted.		June 27, 2013	Version of 1.0	Page 5/10

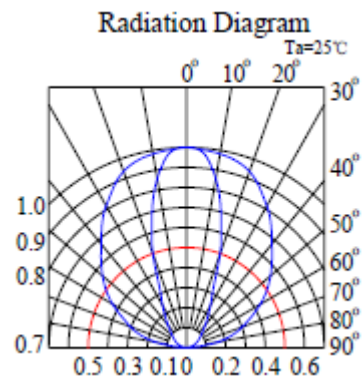
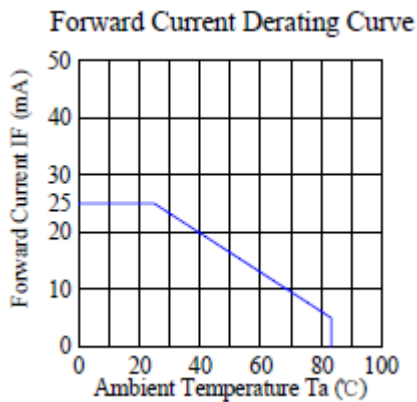
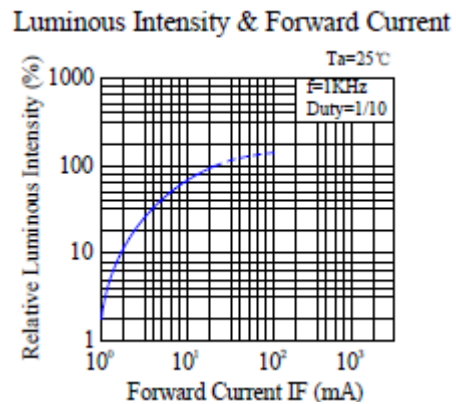
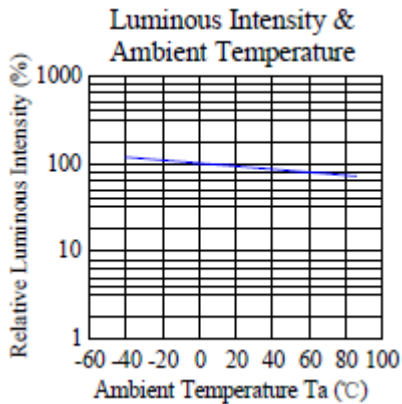
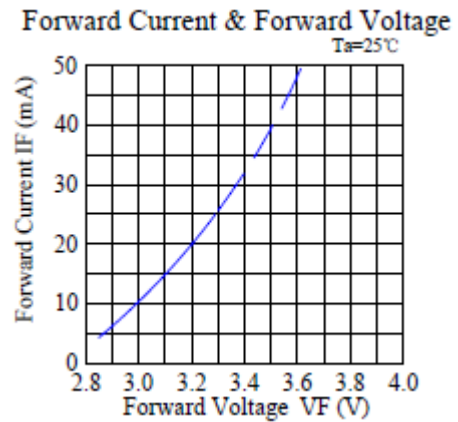
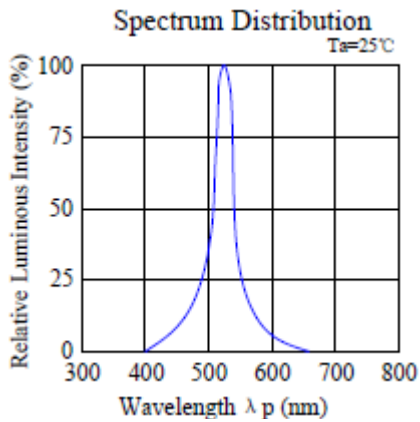
**Characteristic Curves for Red (R)**


Official Product	HTOV511040XX Series	Customer Part No.	Data Sheet No.
	*****	*****	HTOV511040XX Series
Specifications are subject to change without notice. Data and drawings herein are copyrighted.		June 27, 2013	Version of 1.0
			Page 6/10

**Characteristic Curves for Yellow (Y)**


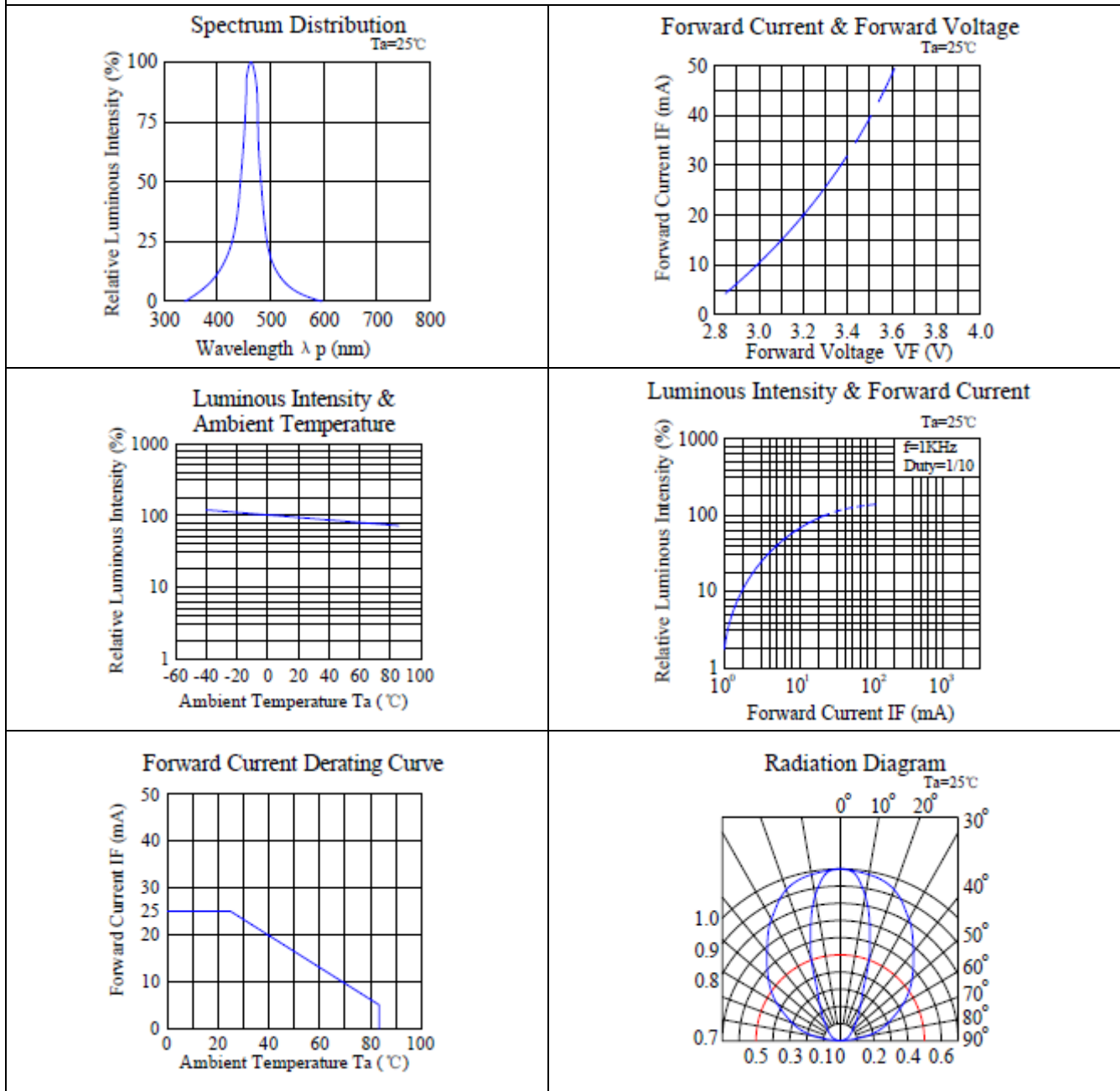
--

Official Product	HTOV511040XX Series	Customer Part No.	Data Sheet No.
	*****	*****	HTOV511040XX Series
Specifications are subject to change without notice. Data and drawings herein are copyrighted.		June 27, 2013	Version of 1.0
			Page 7/10

**Characteristic Curves for Green (TG)**


Official Product	HTOV511040XX Series	Customer Part No.	Data Sheet No.
	*****	*****	HTOV511040XX Series
Specifications are subject to change without notice. Data and drawings herein are copyrighted.	June 27, 2013	Version of 1.0	Page 8/10



**Characteristic Curves for Blue (B)**


Official Product	HTOV511040XX Series	Customer Part No.	Data Sheet No.
	*****	*****	HTOV511040XX Series
Specifications are subject to change without notice. Data and drawings herein are copyrighted.	June 27, 2013	Version of 1.0	Page 9/10



### Revision History

Changes since last revision	Page	Version No.	Revision Date
Initial release for 5mm Oval Lamp		1.0	06-27-2013

Official Product	HTOV511040XX Series	Customer Part No.	Data Sheet No.
	*****	*****	HTOV511040XX Series
Specifications are subject to change without notice. Data and drawings herein are copyrighted.	June 27, 2013	Version of 1.0	Page 10/10

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9