

**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

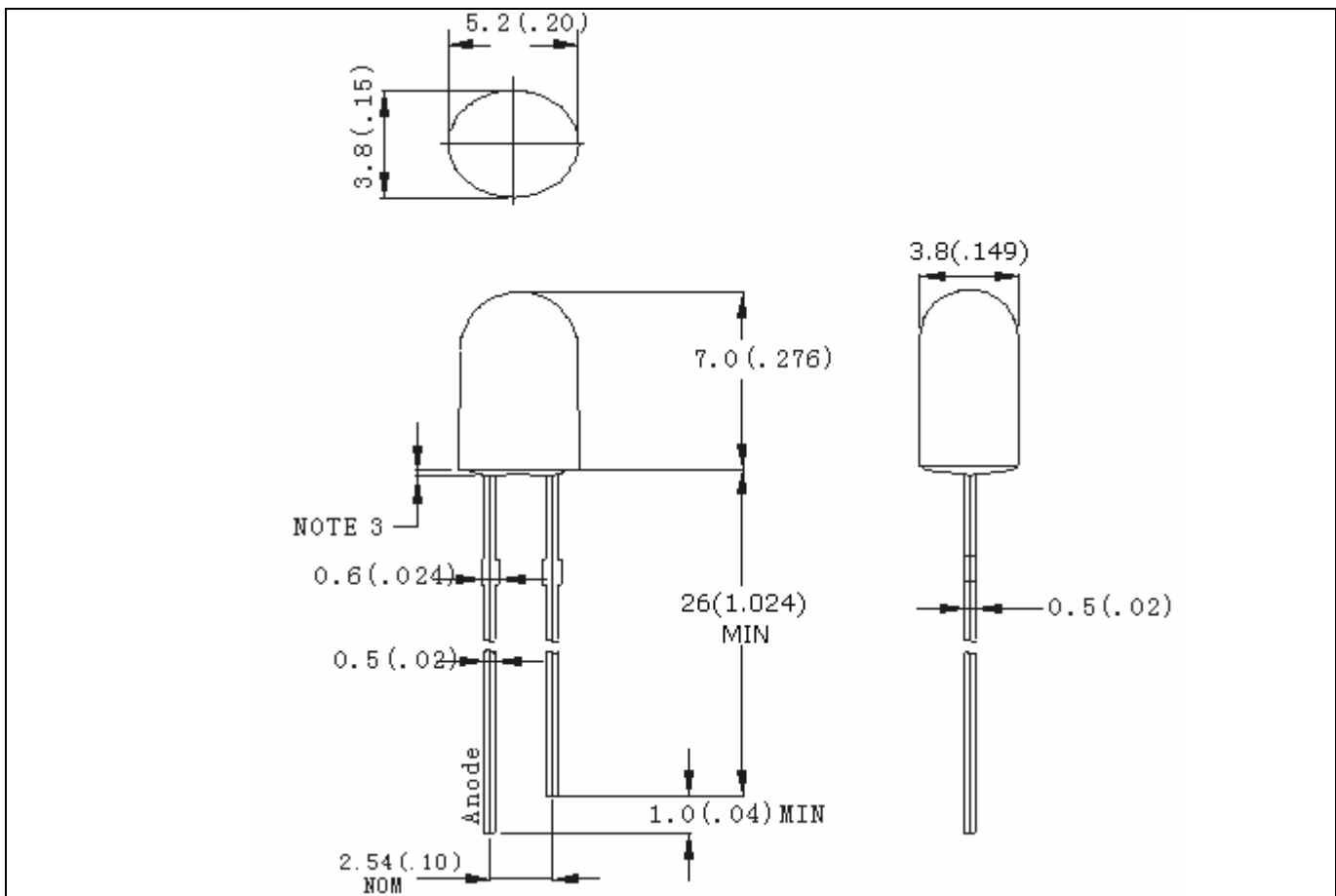


Series Name	Lamp Type	Viewing Angle	Color Code	Customer Code
HTOV= Inolux Oval Lamp	5= 5mm	11040= 110°/40°	UR = 624nm AlInGaP Red UTG = 525nm InGaN True Green UY = 590nm AlInGaP Yellow UB = 470nm InGaN Blue	YYYY = Customer code

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

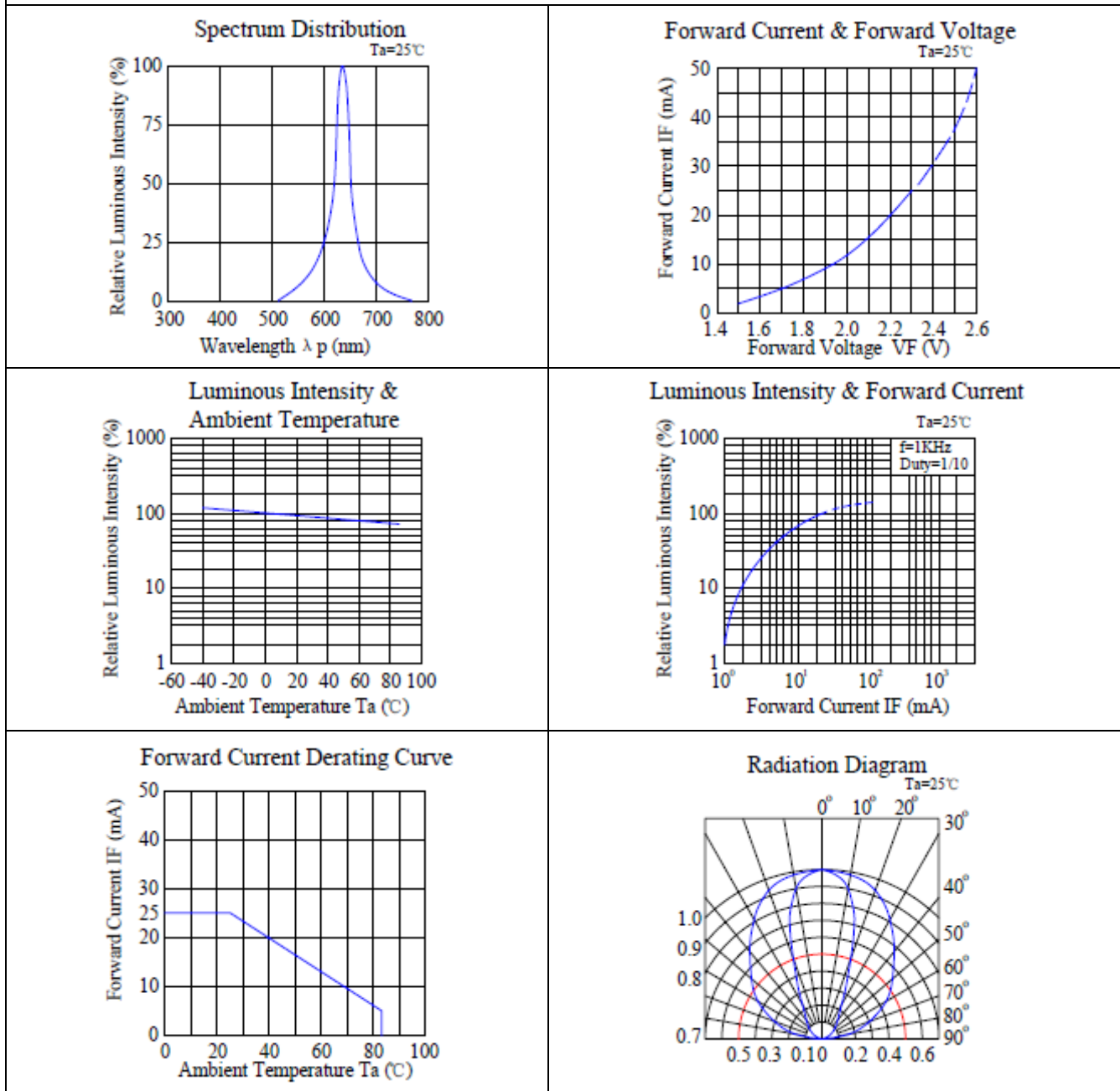
Parameter	Symbol	AllnGaP Material	InGaN Material	Unit
Power Dissipation	P _d	62	100	mW
Reverse Voltage	V _r	5	5	V
Forward Current	I _F	25	25	mA
Reverse Current	I _r	10	10	μA
Peak Current (1/10 Duty Cycle, 0.1ms pulse width)	I _F (Peak)	100	100	mA
Operating Temperature Range	T _{opr}	-40 to +85		° C
Storage Temperature Range	T _{stg}	-40 to +100		° C
Lead Soldering Temp	T _{sol}	260		° C

Electrical and Optical Characteristic (@ 25 degree C)

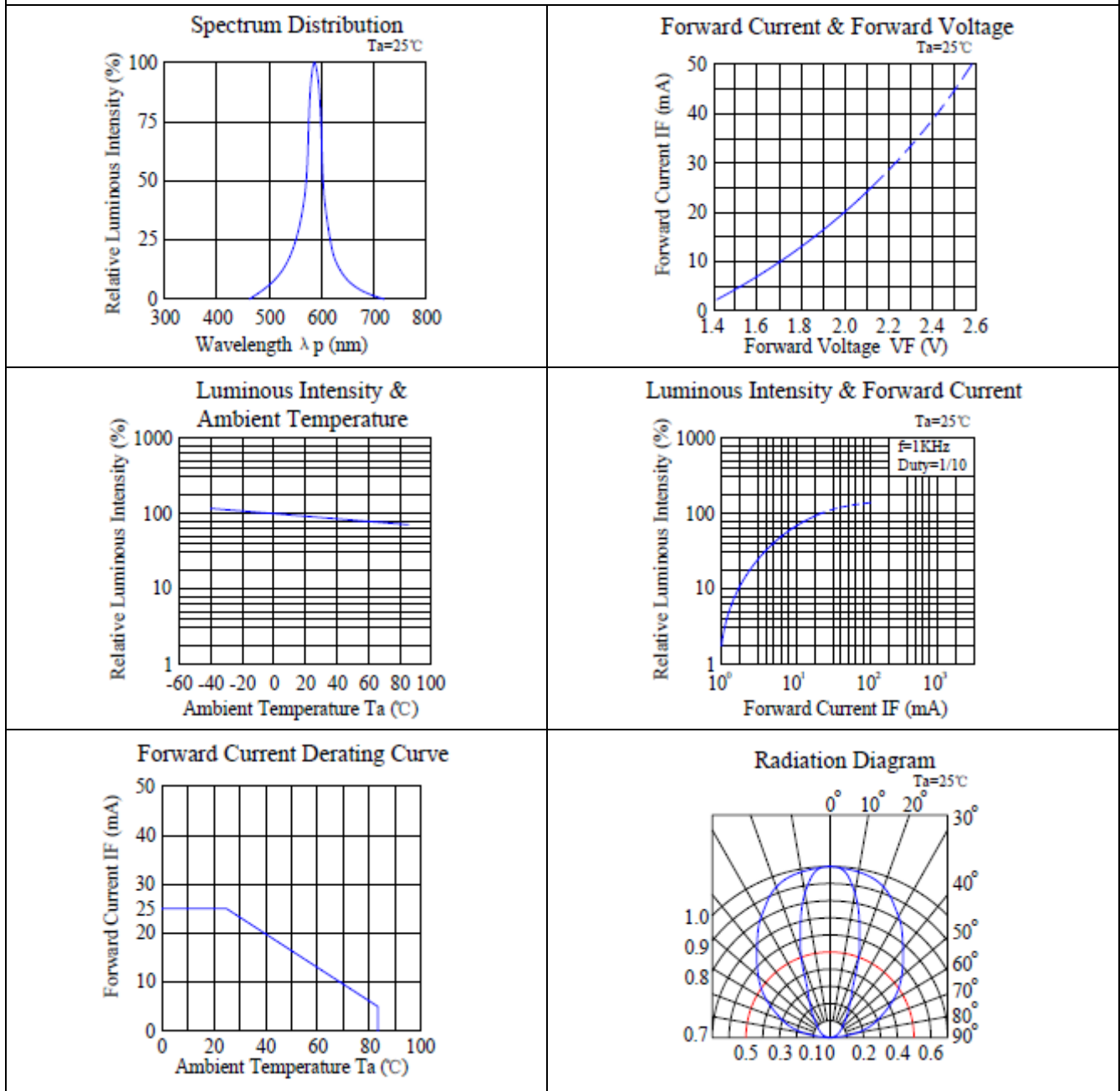
Parameter	UR	UTG	UY	UB	Test Condition
Luminous Intensity:					
Min (mcd)	620	890	620	300	If=20mA
Typ (mcd)	700	1800	850	520	If=20mA
Forward voltage (V _f)					
Typ	2.2	3.2	2.2	3.2	If=20mA
Max	2.6	4.0	2.6	4.0	If=20mA
Dominant Wavelength (nm)	624	525	590	468	If=20mA
Viewing angle	110/40	110/40	110/40	110/40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

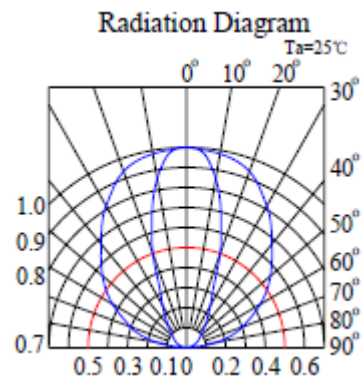
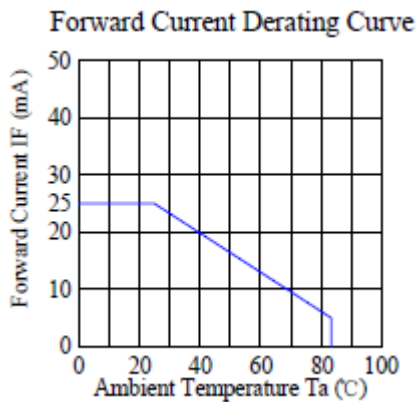
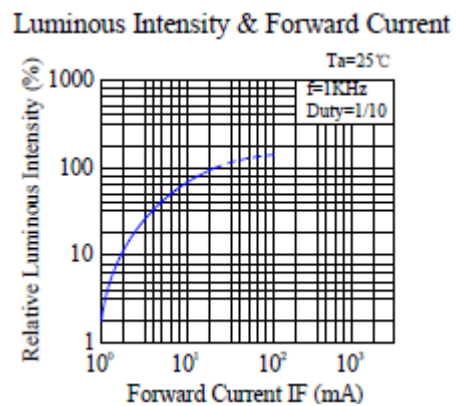
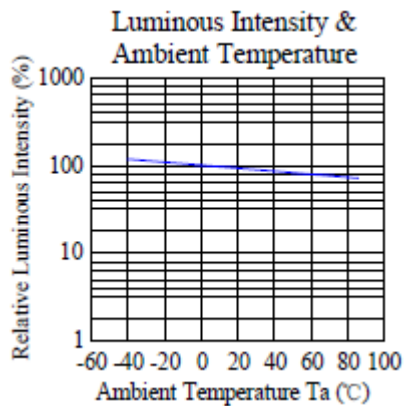
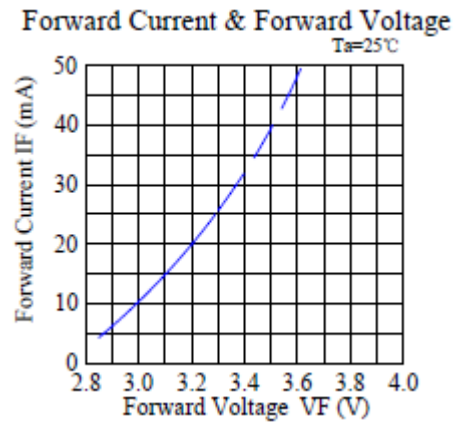
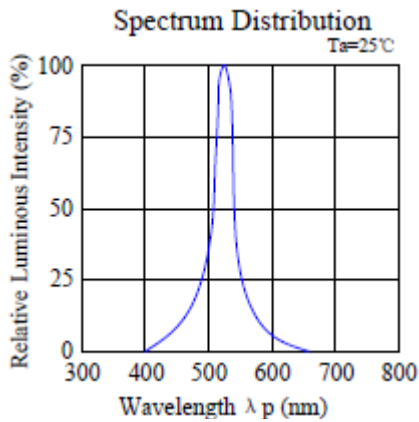
Characteristic Curves for Red (R)


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

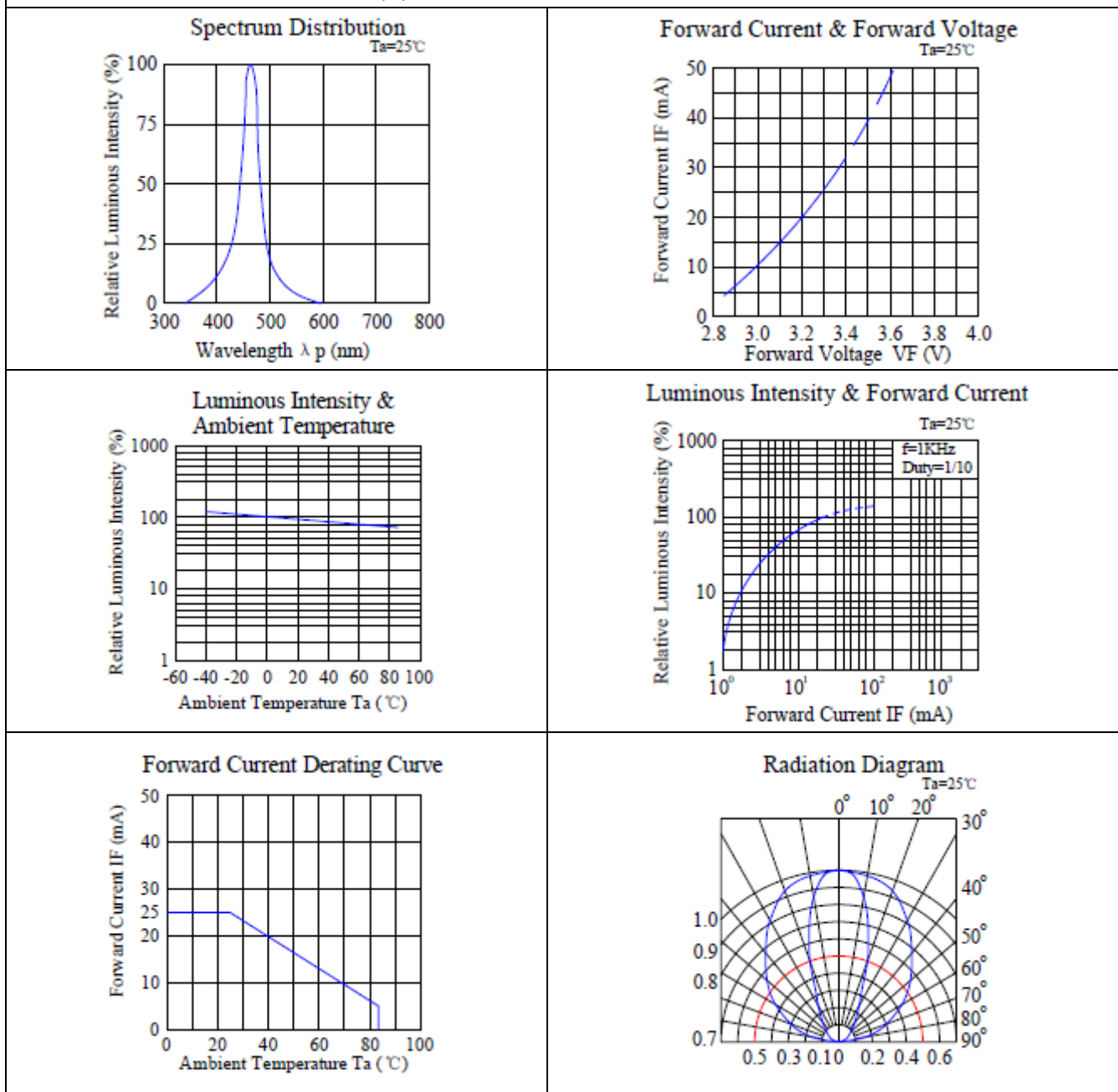
Characteristic Curves for Yellow (Y)


--

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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.