

Specification for Approval

(Customer Name): _____

(Product ID): IE-5E46W13D-1B-W04 _____

(Product Model): _____

(Product Specifications): 5mm LED Oval White _____

(Date): _____

(Customer acknowledges that)

(Peng Yuan Optoelectronics)

Approved

Audit

Confirm

Business

Engineering

Make

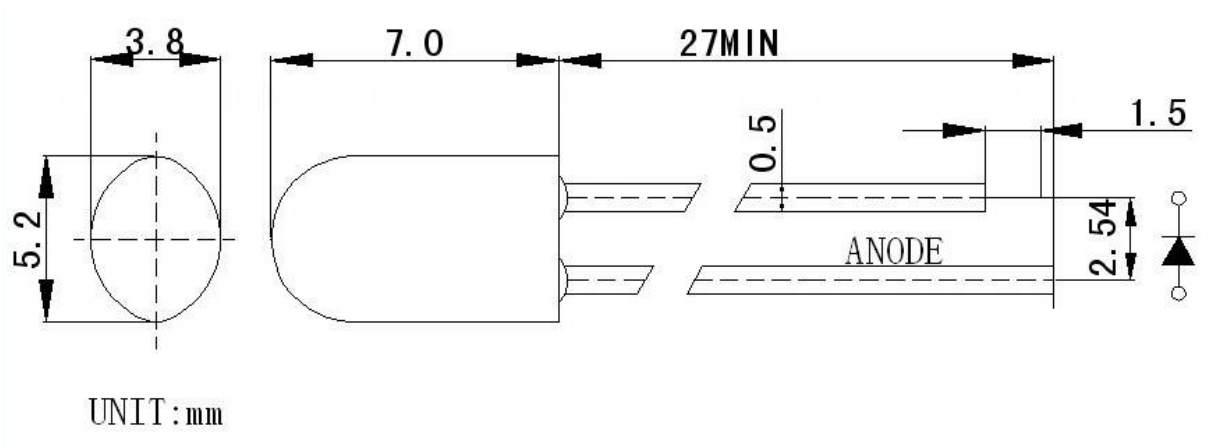
(Customer acknowledges that): Qualified

Failure

(Customer feedback):

Product Model:

Dimensions: Unit: mm [inch]



(Notes:)

1. All dimension units are millimeters.
2. All dimension tolerance is $\pm 0.05\text{mm}$ unless otherwise noted.
3. An epoxy meniscus may extend about 1.5mm down the leads
4. The support part of low nickel 30u" min tin plating thickness 80 u" min
5. Stent length within maximum tolerance of $\pm 0.12\text{mm}$

LED Chip		Lens Color
Material	Emitting Color	
InGaN	White	Water Clear

Product Mode I:**Absolute Maximum Ratings at (Ta = 25°C)**

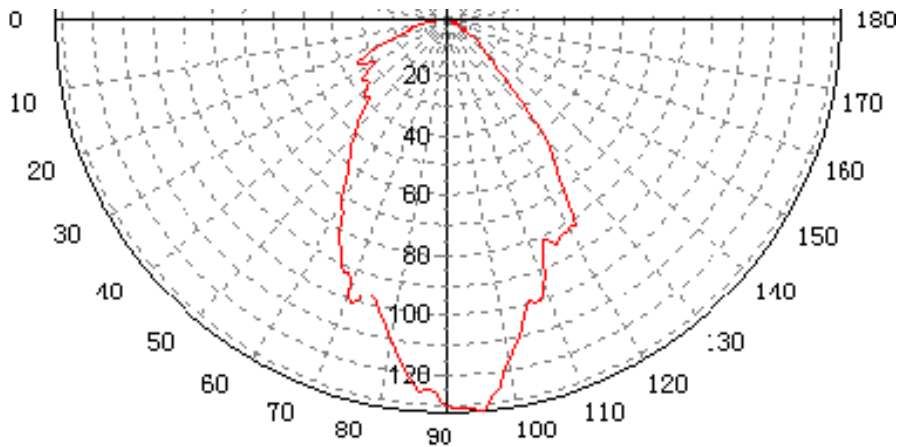
ITEMS	SYMBOL	ABSOLUTE MAXIMUM RATING	UNIT
Forward Current	IF	50	mA
Peak Forward Current	IFP	220	mA
Continuous Forward Current	IL	20	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	60	mW
Operation Temperature	Topr	-40 ~ +80	°C
Storage Temperature	Tstg	-40 ~ +80	°C
Lead Soldering Temperature	Tsol	260°C/3s	

Typical Electrical & Optical Characteristics (Ta = 25°C)

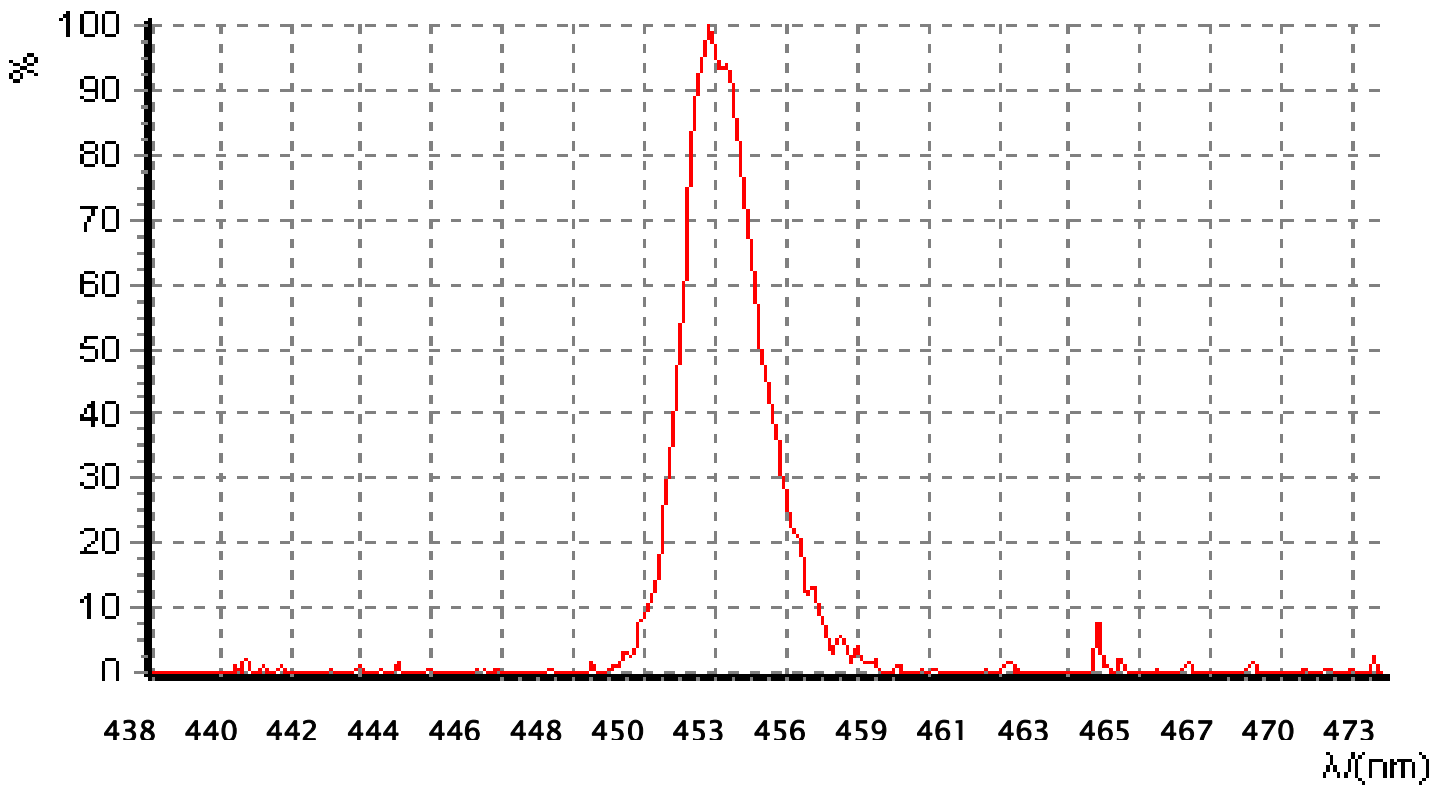
ITEMS	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	IF=20mA	7000	---	8000	mcd
Forward Voltage	IF	IF=20mA	3.0	---	3.4	V
Peak Wavelength	λP	IF=20mA	450	---	460	nm
Dominant Wavelength	λD	IF=20mA	---	---	---	nm
Viewing Angle	2 θ 1/2	IF=20mA	---	80/60	---	Deg
Luminous flux	Iv	IF=20mA	---	---	---	LM
Color Rendering Index Calculation	Spm	X	---	---	---	
	Spm	Y	---	---	---	
Color Temperature	TC	IF=20mA	6000	---	7000	K

Product Mode I:

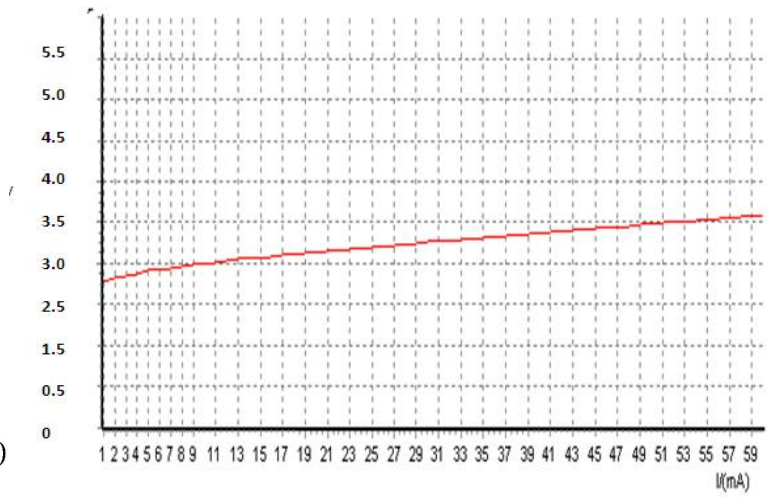
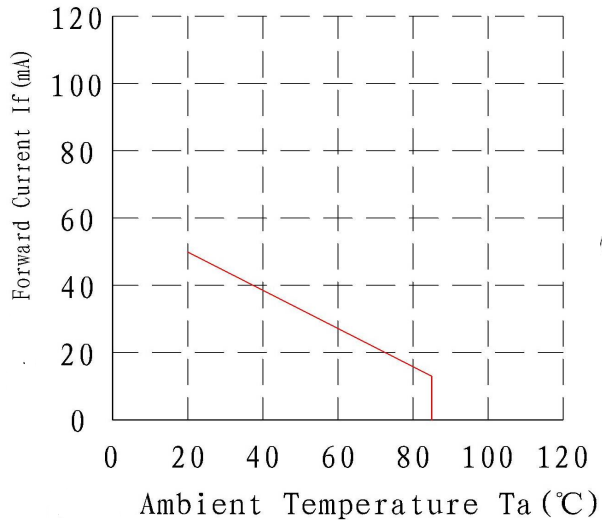
Spatial Distribution



Relative Spectral Distribution Curve



Current-Voltage
Curve



Current-Luminous intensity Curve

