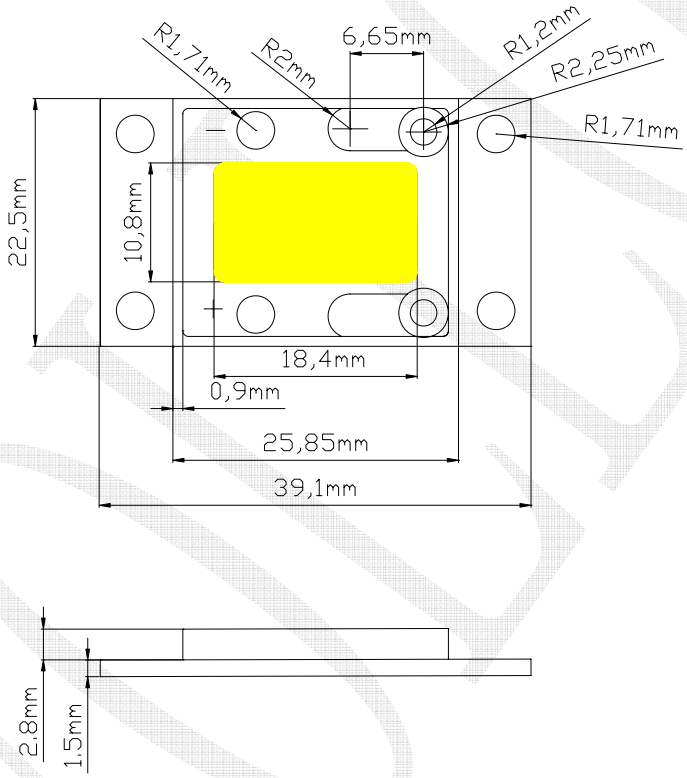
VOLLONG ELECTRIONCS Co,.LIMITED

PRODUCT SPECIFICATION

※ Features:

◇ More Energy Efficient than incandescent and most halogen lamps
◇ Long operating life
◇ Low forward voltage operated
◇ Instant light (less than 100ns)
◇ No UV

※Outline Dimensions



REVISION	ECN/ECR INFORMATION	TITLE:	SHEET No.
A	ECN NO. DATE	30W Multichips High power LED	1 of 3

P/N#:	CREATED By	CHECKED By	APPROVED BY
VL-H05W5503080D39			

PRODUCT SPECIFICATION

※Absolute Maximum Ratings at Ta=25℃:

Parameter	Symbol	Maximum	Unit
Power Dissipation	Pd	30	W
Peak Forward Current (1/10 Duty Cycle,0.1ms Pulse Width)	IF(peak)	3000	mA
Continuous Forward Current	IF	2000	mA
Reverse Voltage	VR	24	V
Operating temperature range	Topr	-20℃ to + 60℃	
Storage Temperature Range	Tstg	-20℃ to + 60℃	
Lead Soldering Temperature [1.6mm (0.63")from body]	260℃ for 5 Seconds		

※ Electrical/Optical Characteristics at Ta=25℃:

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Luminous flux	ф	IF=2000mA	2100	2400	2700	Lm
Viewing Angle	2θ1/2	IF=2000mA	110	115	120	deg
Forward Voltage	V_F	IF=2000mA	15	16	18	V
Reverse Current	I_R	VR=24V			22	uA
Color Rendering Index Calculation	Spm	X	0.29		0.32	
	Spm	Y	0.31		0.33	
Correspondingly	CCT	IF=2000mA	5000	5500	6000	K

PRODUCT SPECIFICATION

※Typical Electrical/Optical Characteristics Curve: (25℃ Ambient Temperature Unless Otherwise Noted)

Fig1. Relative Intensity vs. Wavelength

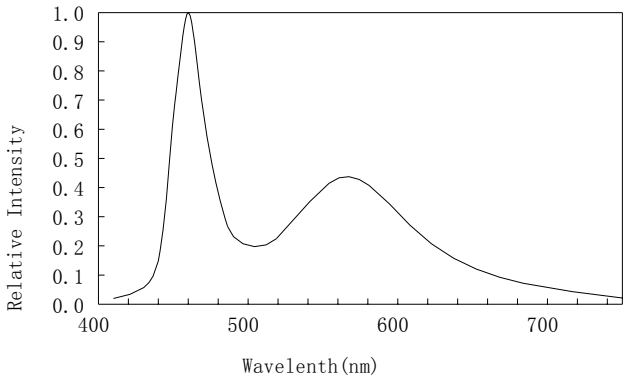


Fig2. Forward Current vs. Forward Voltage

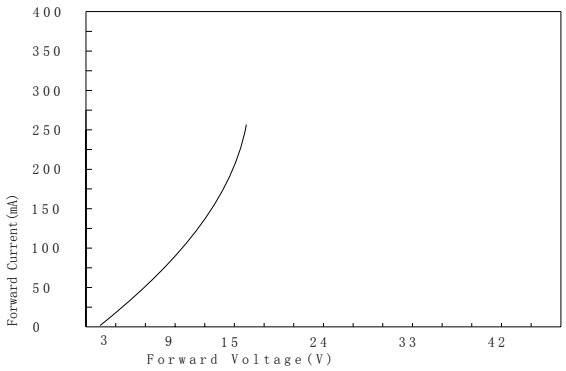


Fig3. Forward Current vs. Relative Intensity

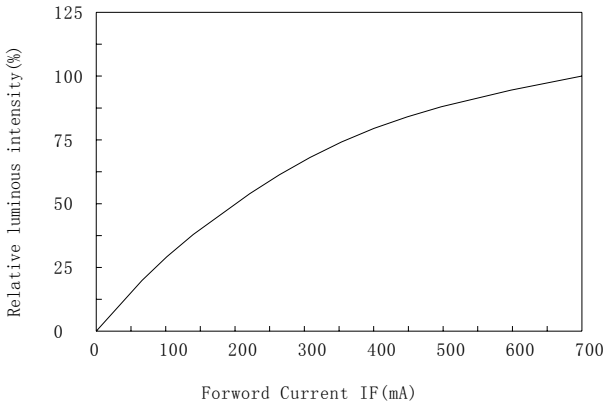
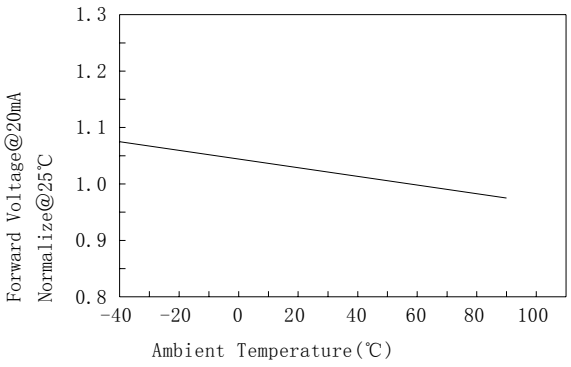


Fig4. Forward Voltage vs. Temperature



※Cautions:

Used this products , your may put the POWER LED lose hot chips and touch the lose hot install or enlarge the lose hot condition , so that when the lighting ,the products can lose hot , make sure that the lighting and long lifespan .