

LED DATA SHEET

Part No.	WR148UW/D		
Emitted Color	Ultra Super White	Len's Color	Diffused
Chip Materia	InGaN/GaN		

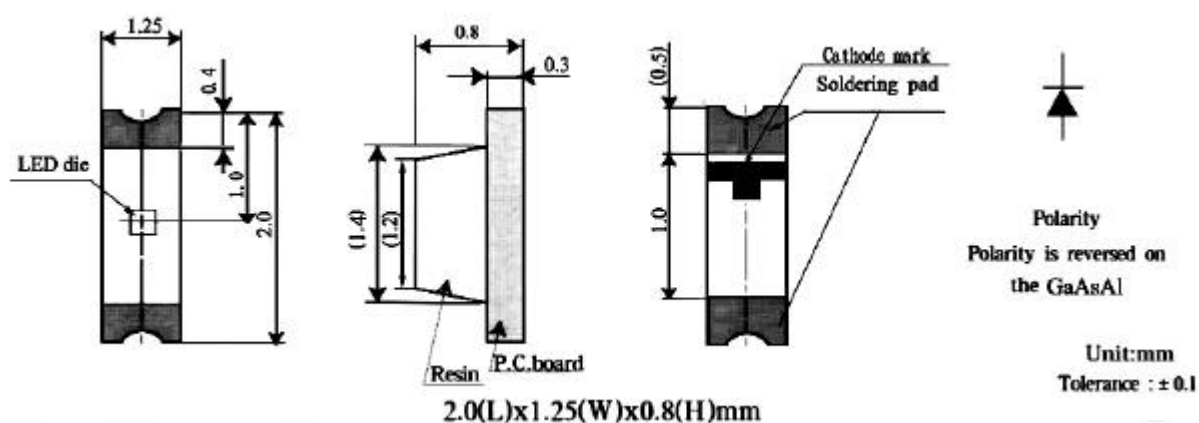
Features:

Compatible with automatic placement equipment
Compatible with reflow solder process
Low power consumption and wide viewing angle

Applications:

Automotive and Telecommunication
Flat backlight for LCD ,switch and symbol in telephone and fax
General use for indicators

Package Dimensions:



Note:

- 1、 All dimensions are in millimetres (mm)
- 2、 Tolerance is $\pm 0.1\text{mm}$ unless otherwise noted

Absolute Maximum Rating (Ta=25)

Parameter	Symbol	Max.	Unit
Power Dissipation	P_M	70	Mw
Pulse Forward Current (1/10 duty and 0.1msec width)	I_{FP}	50	mA
Continuous Forward Current	I_F	20	mA
Reverse Voltage	V_R	5	V
Operating Temperature Range	T_{opr}	-40 ~ 85	
Storage Temperature Range	T_{stg}	-40 ~ 100	
Reflow Soldering : 250 , 5sec , max ----- Pay attention to electrostatic (ESD)			

Electrical Optical Characteristics (Ta=25)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_V	--	250	--	mcd	$I_F = 20mA$
Forward Voltage	V_F	--	3.3	4.0	V	$I_F = 20mA$
Reverse Current	I_R	--		10	uA	$V_R = 5V$
Chromaticity Coordinates	x	--	0.27	--	nm	$I_F = 20mA$
	y	--	0.28	--	nm	
Viewing Angle	$2\theta_{1/2}$	--	135	--	Deg.	$I_F = 20mA$

BIN Code	N	P	Q	R	S
Luminous Intensity @ $I_F = 10mA$	130~160	160~200	200~250	250~320	320~400

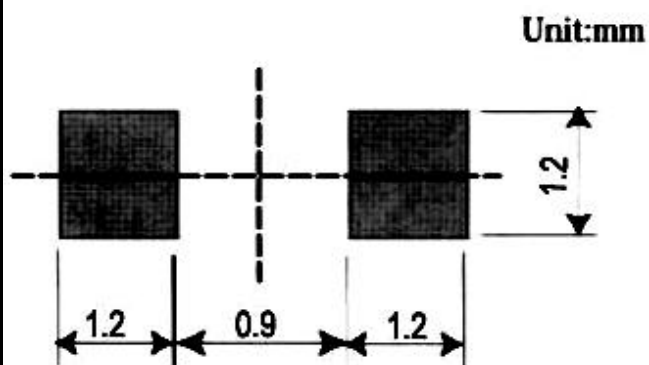
Classing Marking:

For example

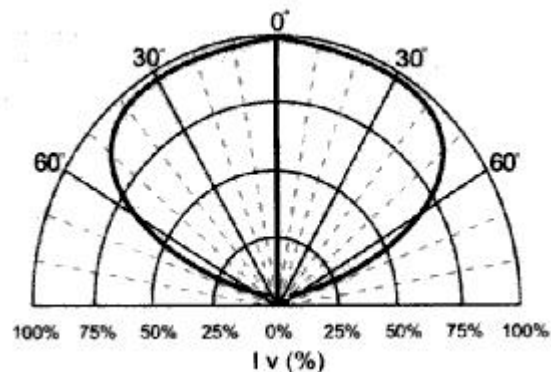
HOBMQ

Code Order : Voltage—O—Chromaticity Coordinates—Luminous Intensity

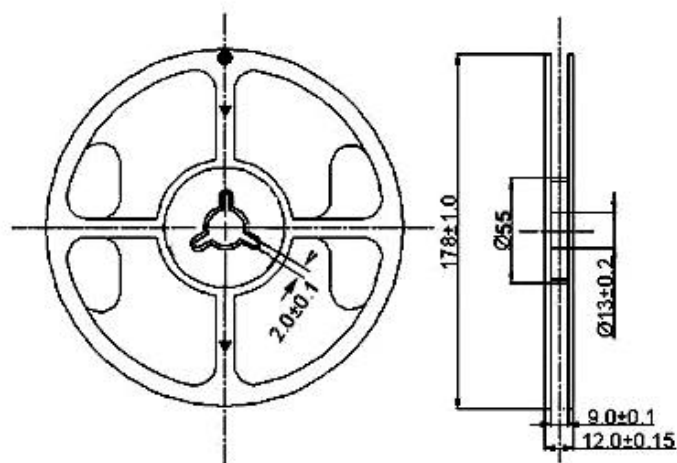
Soldering Pad Dimensions:



Viewing Pattern



Package Tape Specifications: 3000 pcs/reel



Unit:mm

