

LED DATA SHEET

Part No.	WR106SR/W		
Emitted Color	High Red	Len's Color	Water Clear
Chip Materia	GaAlAs		

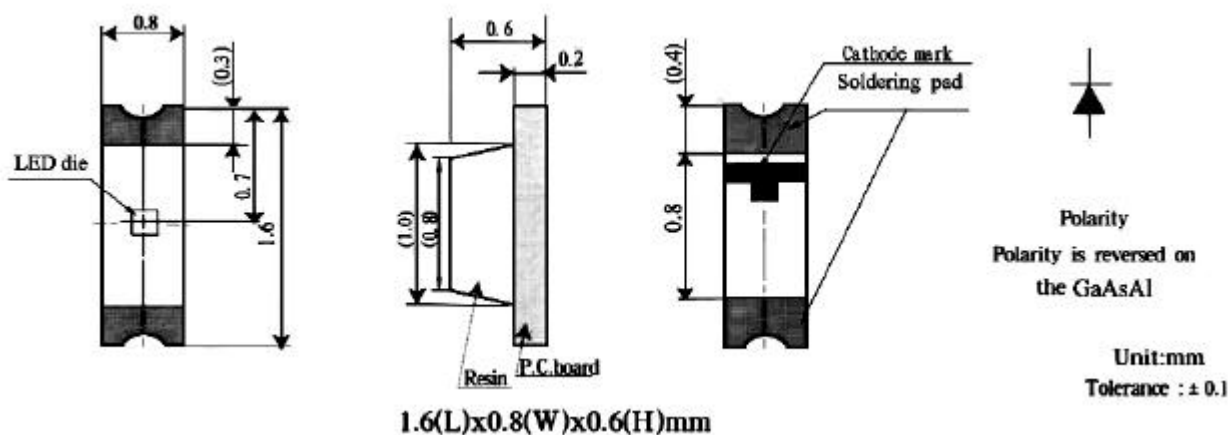
◆ Features:

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 ± 0.1 mm unless otherwise noted

◆ Absolute Maximum Rating (Ta=25°C)

Parameter	Symbol	Max.	Unit
Power Dissipation	P _M	60	Mw
Pulse Forward Current (1/10 duty and 0.1msec width)	I _{FP}	60	mA
Continuous Forward Current	I _F	25	mA
Reverse Voltage	V _R	5	V
Operating Temperature Range	Topr	-40°C~85°C	°C
Storage Temperature Range	Tstg	-40°C~100°C	°C
Reflow Soldering : 250°C, 5sec, max			

◆ Electrical Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _V	--	30	--	mcd	I _F =20mA
Forward Voltage	V _F	--	1.8	2.5	V	I _F =20mA
Reverse Current	I _R	--		10	uA	V _R =5V
Dominant Wavelength	λ _d	--	645	--	nm	I _F =20mA
Peak Emission Wavelength	λ _p	--	660	--	nm	I _F =20mA
Spectral Line Half Width	Δλ	--	30	--	nm	I _F =20mA
Viewing Angle	2θ _{1/2}	--	125	--	Deg.	I _F =20mA

BIN Code	F	G	H	J	K
Luminous Intensity @ I _F =10mA	20~27	27~35	35~45		

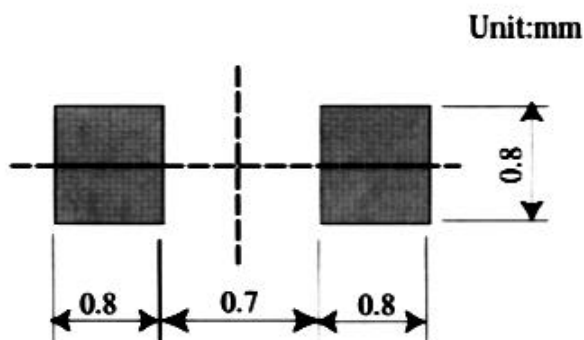
Classing Marking:

For example

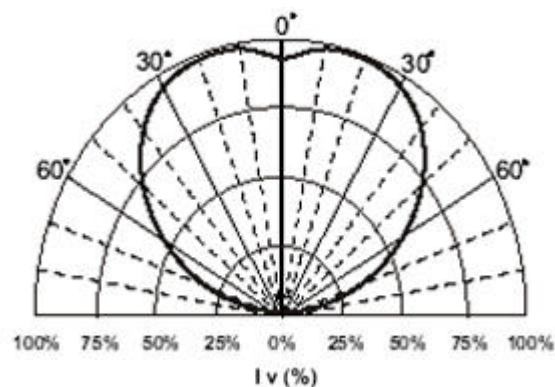
GGOOK

Code Order : Voltage—Dominant Wavelength—OO—Luminous Intensity

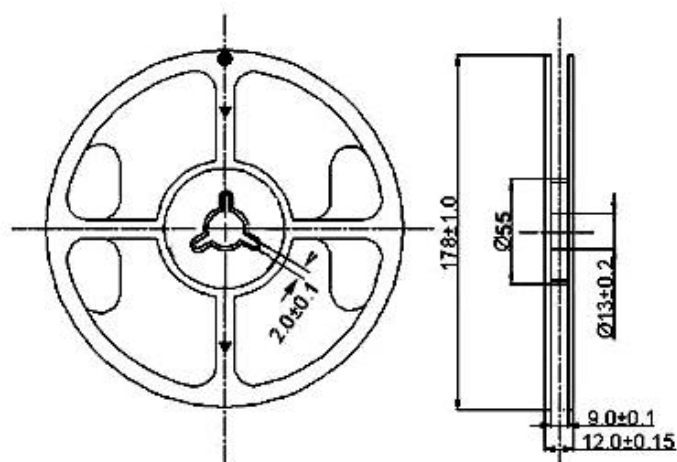
◆ Soldering Pad Dimensions:



◆ Viewing Pattern



◆ Package Tape Specifications: 4000 pcs/reel



Unit:mm

