EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

SMD 1206 LED SERIES

OF-SMD3216Y YELLOW

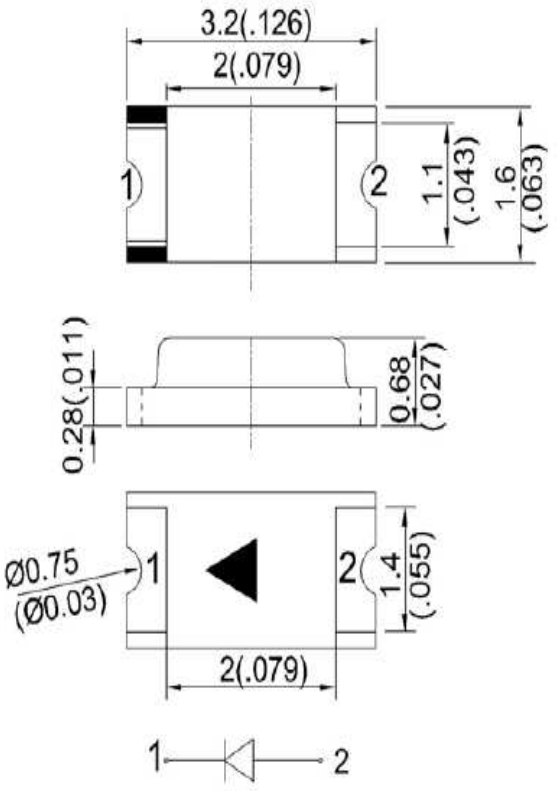


ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Description
The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

Features
- 2.0mmx1.25mm SMT LED, 0.68mm THICKNESS.
- LOW POWER CONSUMPTION.
- WIDE VIEWING ANGLE.
- IDEAL FOR BACKLIGHT AND INDICATOR.
- VARIOUS COLORS AND LENS TYPES AVAILABLE.
- PACKAGE : 3000PCS / REEL.

Package Dimensions



Notes:
1. All dimension units are millimeters.
2.All dimension tolerance is ±0.2mm unless otherwise noted.
3.An epoxy meniscus may extend about 1.5mm down the leads.
4.Burr around bottom of epoxy may be 0.5mm max..

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Selection Guide

Part. No	Dice	Lens Type	Iv(mcd) @20mA		Viewing Angle
			Min.	Typ.	2Θ1/2
OF-SMD2012R	YELLOW (InGaAlP)	Water Clear	350	500	120°

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at TA=25℃

Parameter	Symbol	Device	Condition	Min	Typ	Unit
Forward Voltage DC	VF	Yellow	IF=20mA	1.8	2.0	V
Reverse Current	IR	All	VR=5V		5	uA
Dominant Wavelength	λD	Yellow	IF=20mA	584	588	nm
Capacitance	IF(rec)	Yellow	VF-0V; f=1MHz		20	pF

Absolute Maximum Ratings at TA=25℃

Parameter	Yellow	Units
Power Disspation	70	mW
DC Forward Current	30	mA
Peak Forward Current	140	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40℃ to +80℃	

Note:

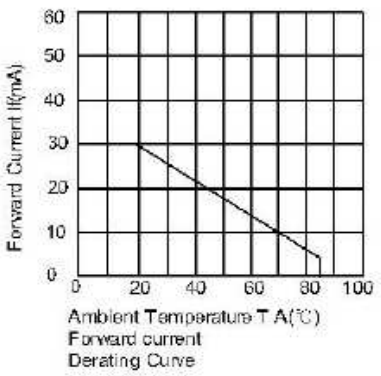
1. **1/10 Duty Cycle, 0.1ms Pulse Width.**

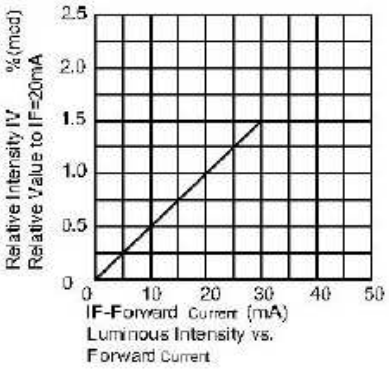
SMD 1206 LED SERIES

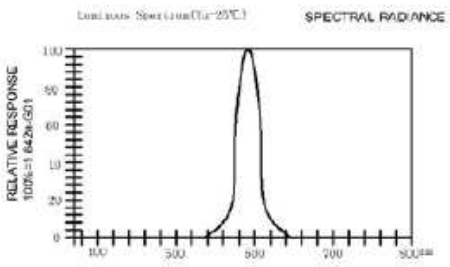
Reliability Test Items And Conditions

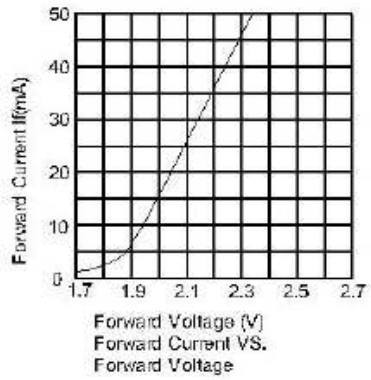
The reliability of products shall be satisfied with items listed below.
Confidence level :90% LTPD :10%

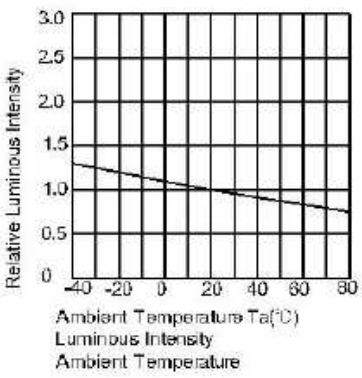
No.	Items	Test Condition	Test Hours/Cycles	Sample Size	Ac/Rc
1	Reflow	Temp:240ºC±5ºC Min.5 sec.	6 Min.	22Pcs.	0/1
2	Temperature Cycle	H:+100ºC 15 min. ~ 5 min L:-40ºC 15 min.	300 Cycles	22Pcs.	0/1
3	Thermal Shock	H:+100ºC 5 min. ~ 10 sec. L:-10ºC 5 min.	300 Cycles	22Pcs.	0/1
4	High Temperature Storage	Temp.:100ºC	1000Hrs.	22Pcs.	0/1
5	Low Temperature Storage	Temp.:-55ºC	1000Hrs.	22Pcs.	0/1
6	DC Operating Life	I_F=20mA	1000Hrs.	22Pcs.	0/1
7	High Temperature/High Humidity	85ºC/R.H85%	1000Hrs.	22Pcs.	0/1

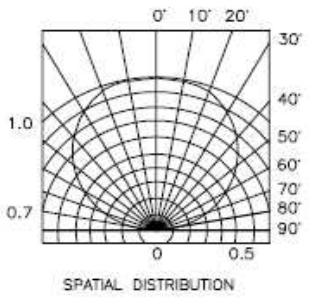








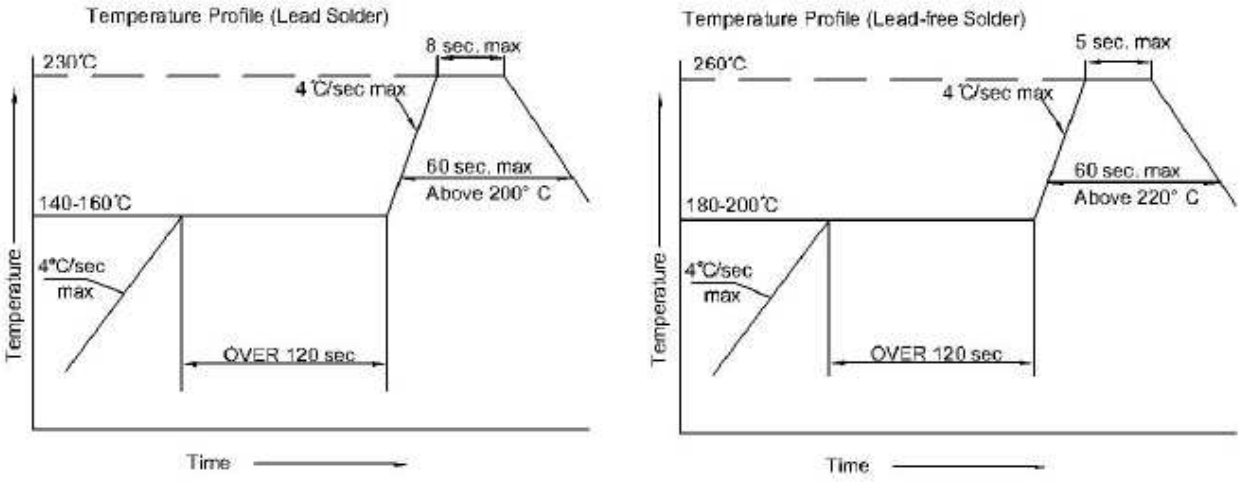




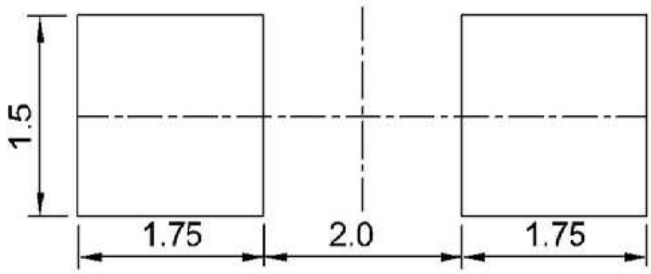
SMD 1206 LED SERIES

SMT Reflow Soldering Instructions

Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and second soldering process.



Recommended Soldering Pattern
(Units : mm)



Tape Specifications
(Units : mm)

