# VICTORY

3.2x1.3mm Reverse SMD LED 1.1mm Height

VS 86F8

Description

The major breakthrough in VS 86F8 Series is Yellow color emitted, package in dimension L x W x H, 3.2 * 1.3 * 1.1mm. The dice used in this series is AlGaInP material rather than the conventional GaP and GaAsP/GaP. The advantages of AlGaInP are low power consumption and obtaining high luminous intensity under low current driving condition. The Wavelengths and Luminous Intensities of this series are grouped under 20mA for uniformity. These LEDs are suitable for multiple usages in series connection applications.
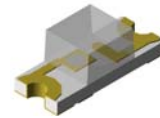
Applications

- Industrial control systems signal indicator
- Automotive features
- Front panel indicator
- Status indication

RoHS

Pb
pb-free

Electronic Optical Characteristics (at 20mA):

Part Number	Emitted Color	λ (nm)		Lens	Iv(mcd)		View	VF(V)	
		λ d	λ p	Color	Min.	Max.	Angle	Typ.	Max.
VS 86F8	Yellow	589	591	Clear	28	71	130	2.0	2.4

Absolute Maximum Ratings (at Ta=25℃)

P$_D$(mW)	I$_{FP}$(mA)	I$_F$(mA)	Iron Solder (℃)	I$_R$(uA)@V$_R$=5V	Topr(℃)	Tstg(℃)
60	100*	25	350 ± 5 for 3 sec.	10	-40~+85	-40~+100

Note: Please take note the Absolute Maximum Rating values. Any operation beyond the specify ratings in this table will result degradation of LED life-span and may cause LED to fail.

＊I$_{FP}$: Peak Forward Current under 1/10 duty, 1KHz condition
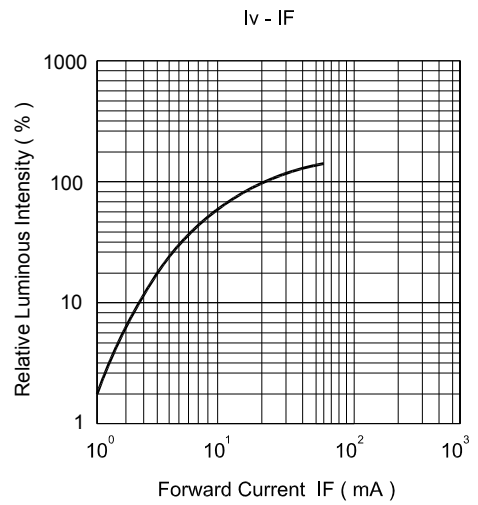
Package Dimension:

unit:mm

Polarity

Cathode Mark

Recommended Soldering Pad
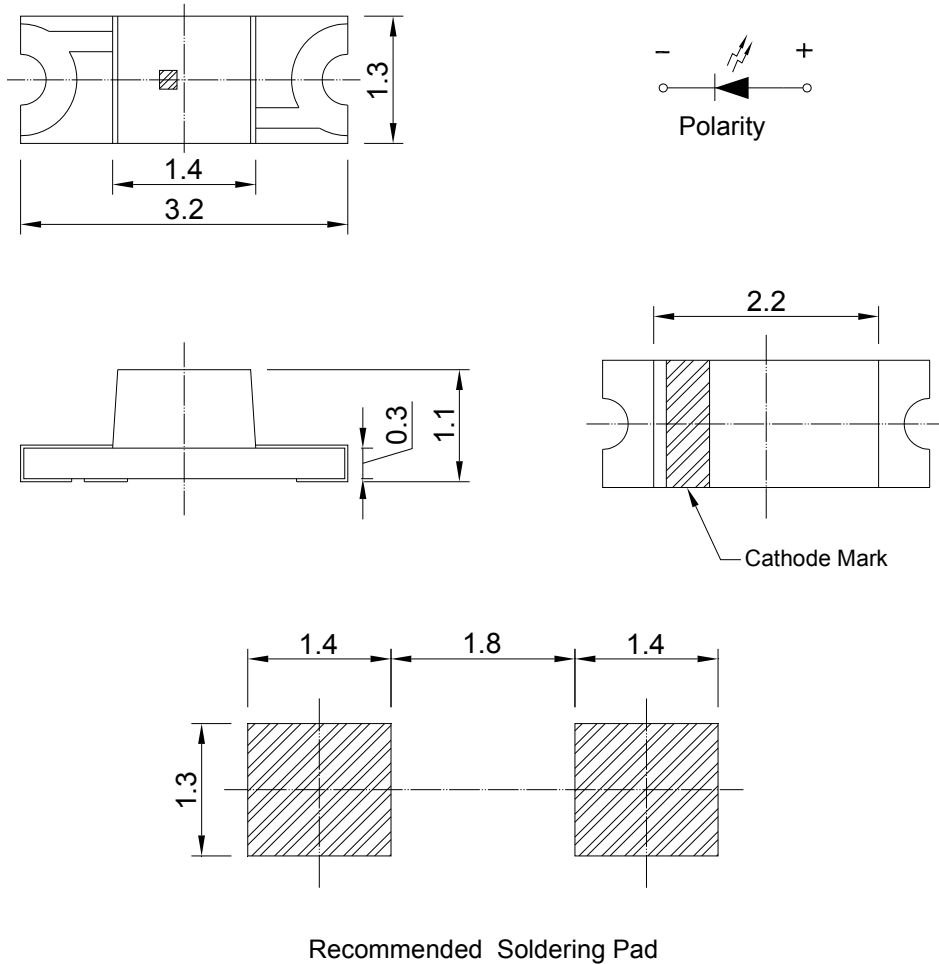
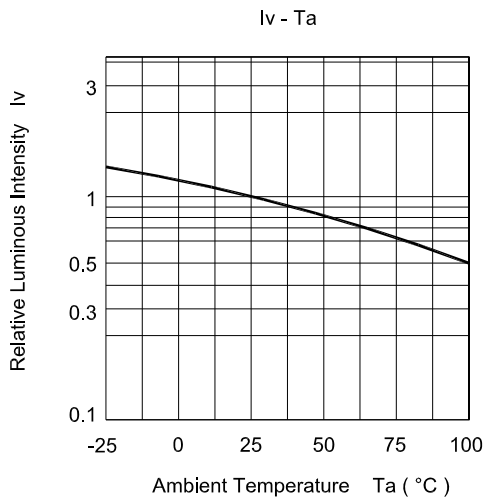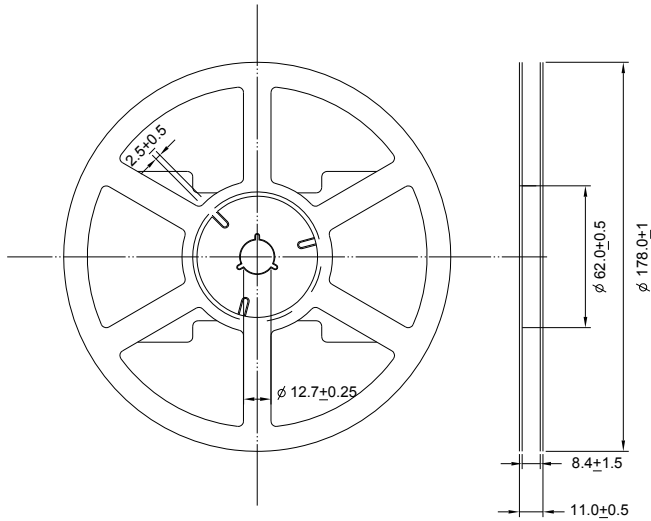**Notes:**

1. All dimensions are millimeters.

2. Tolerance is ± 0.2mm unless otherwise specified.

3. Specifications are subject to change without notice.

Optical Characteristics Curves

Iv - Ta

Iv - IF

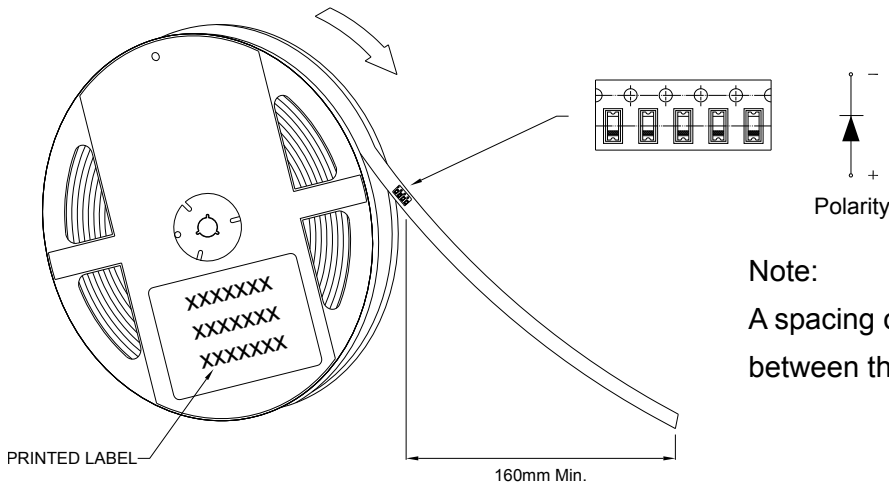

Pure green
Yellow green
Yellow
Soft orange
Red

Wavelength (nm)
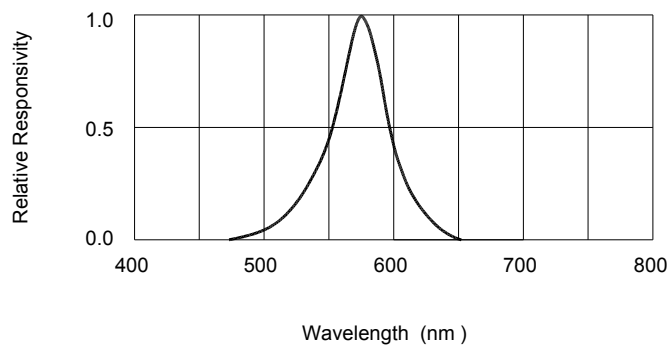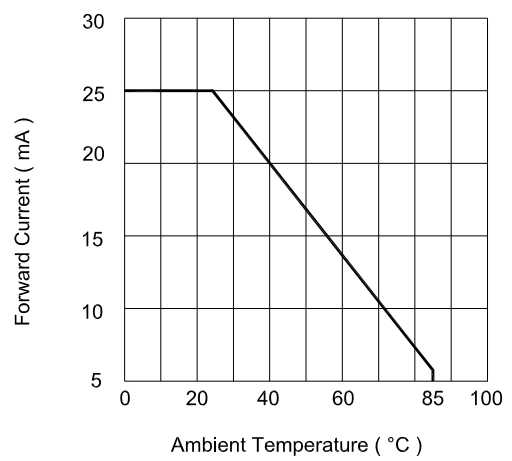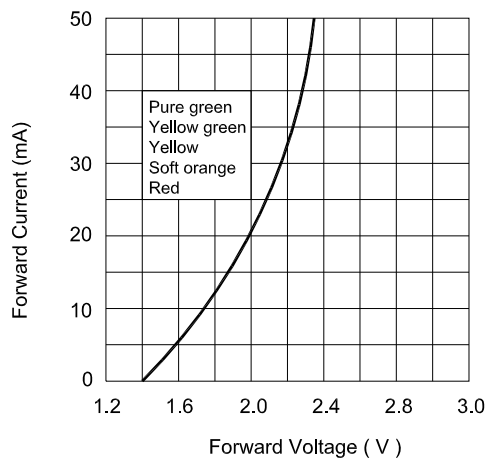
Reel Dimension:

unit : mm

Note:

Available in 8mm carrier tape on 178mm diameter reels. (3,000 pieces)

USER FEED DIRECTION

Polarity

XXXXXXX
XXXXXXX
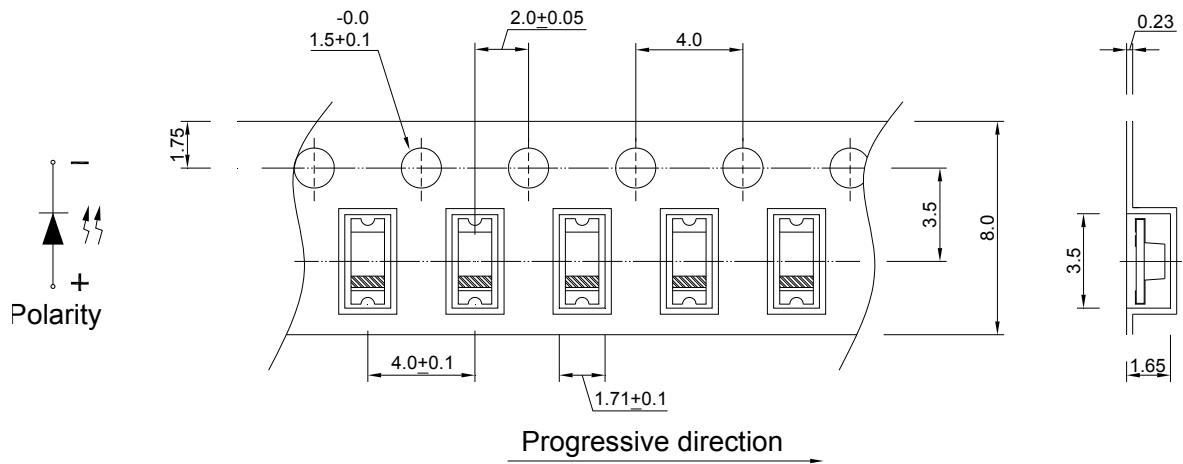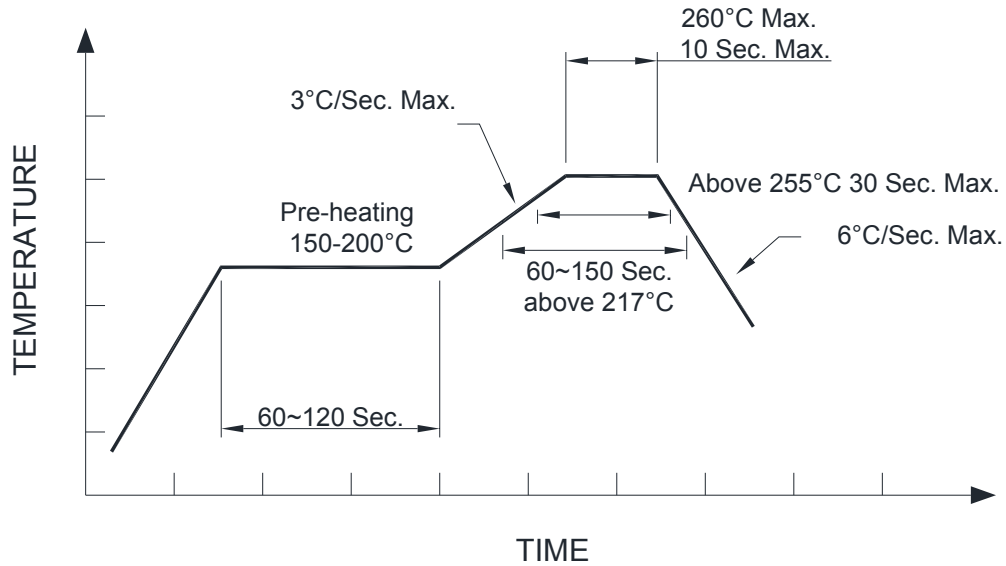XXXXXXX

PRINTED LABEL

160mm Min.

Note:

A spacing of approximately 160mm between the front edge of tape

Tape Dimension:

unit:mm

Polarity

Progressive direction

Recommended Pb-free re-flow soldering profile:

Note:

All the specifications listed in this data sheet are suitable for general electronic equipment, office equipment and communication devices. Kindly consult Sales Representatives for specific reliabilities request, Forward Voltage, Luminous Intensity, Wavelength, Radiant Power or Viewing Angle.