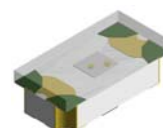


0402 Package SMD LED 0.3mm Height

VS 17A8M

Description

The major breakthrough in VS 17A8M Red color emitted is package in dimension L x W x H, 1.0 * 0.5 * 0.3 mm. 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 5mA for uniformity. These LEDs are suitable for multiple usages in series connection applications.



Applications

- Cellular phone display
- Backlight keypads
- Industrial control systems signal indicator

Electronic Optical Characteristics (at 5mA):

Part Number	Emitted Color	λ (nm)		Lens Color	Iv(mcd)		Viewing Angle	VF(V)	
		λ_d	λ_p		Min.	Typ.		Typ.	Max.
VS 17A8M	Red 	624	632	Milky	11.2	22.4	130	2.15	2.35

Absolute Maximum Ratings (at Ta=25°C)

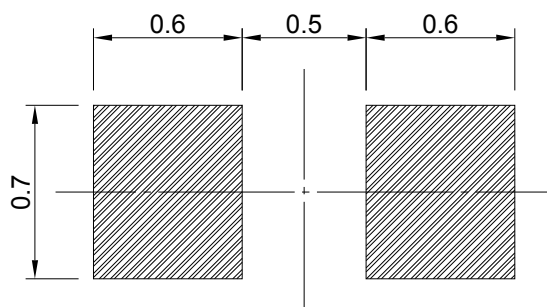
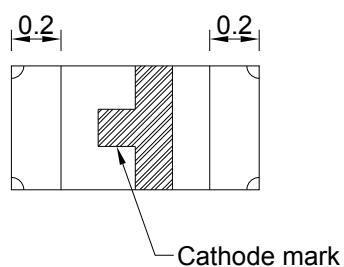
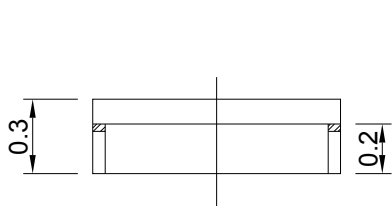
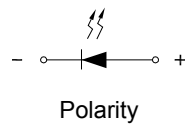
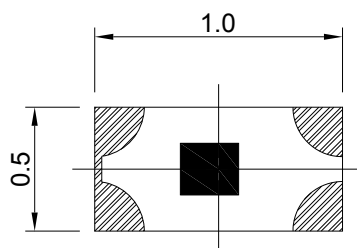
P _D (mW)	I _{FP} (mA)	I _F (mA)	Iron Solder (°C)	I _R (uA)@V _R =5V	T _{opr} (°C)	T _{stg} (°C)
60	60*	25	350 ± 5 for 3 sec.	10	-40~+85	-40~+100

Note: Please take note the Absolute Maximum Rating values. Any operation beyond the specified 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

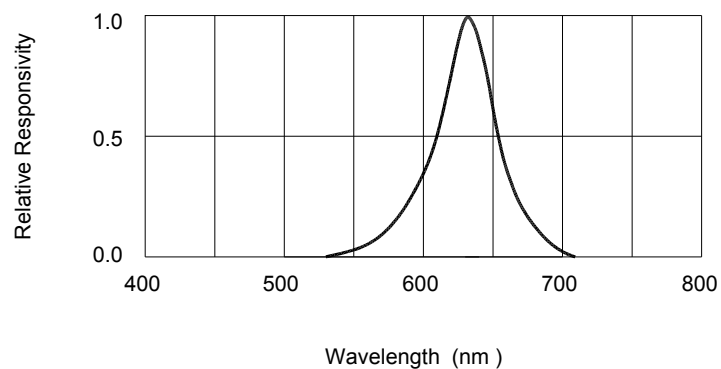
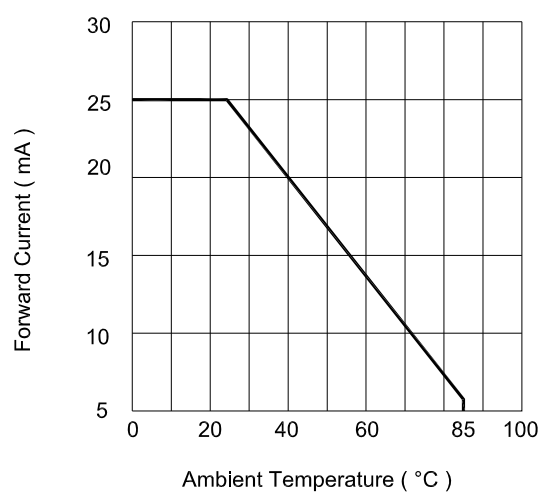
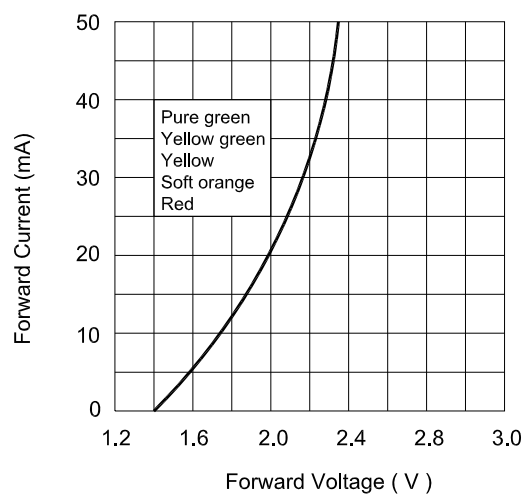
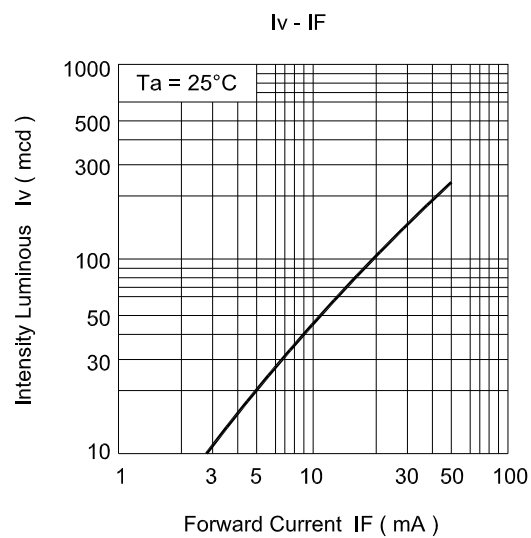
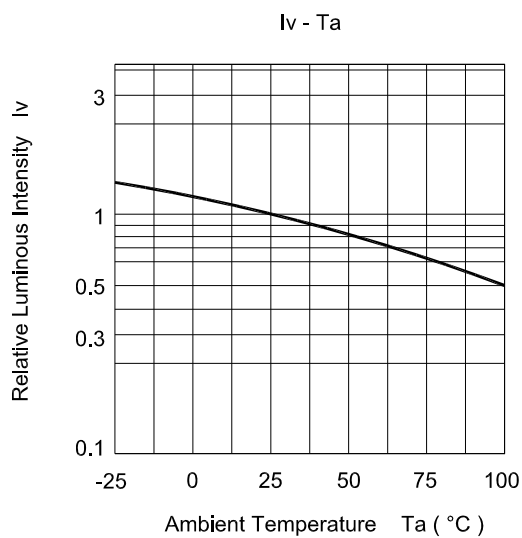


Recommended Soldering Pad

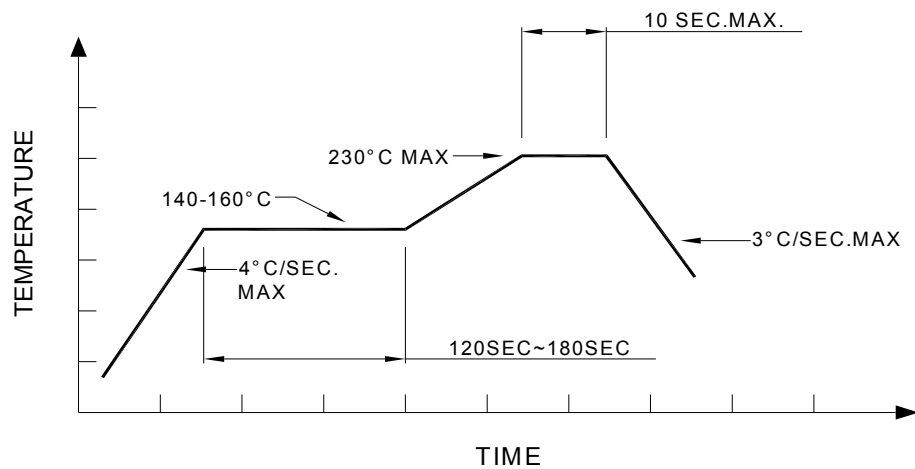
Notes:

1. All dimensions are millimeters.
2. Tolerance is ± 0.2 mm unless otherwise specified.
3. Specifications are subject to change without notice.

Typical Electro-optical Characteristics Curves



Recommended re-flow soldering profile:



Recommended Pb-free re-flow soldering profile:

