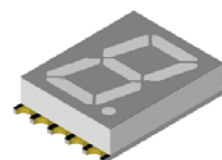


0.51" Single Digit SMD Display

VD 461CG

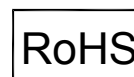
Main Features:

- Surface mount technology
- Low power consumption
- High efficiency chips material
- Excellent character appearance
- Long life solid state reliability
- Common cathode configuration
- Gray color surface reflector with white diffuse segments



Applications

- Industry equipment
- Instruments panels
- Counter equipment
- Power meter



Electronic Optical Characteristics (at 20mA):

Part Number	Emitted Color	λ (nm)		Surface Color	Iv(mcd)		VF(V)	
		λ_d	λ_p		Min.	Typ.	Typ.	Max.
VD 461CG	Yellow 	589	591	Gray	35	60	2.0	2.4

Absolute Maximum Ratings (at Ta=25°C)

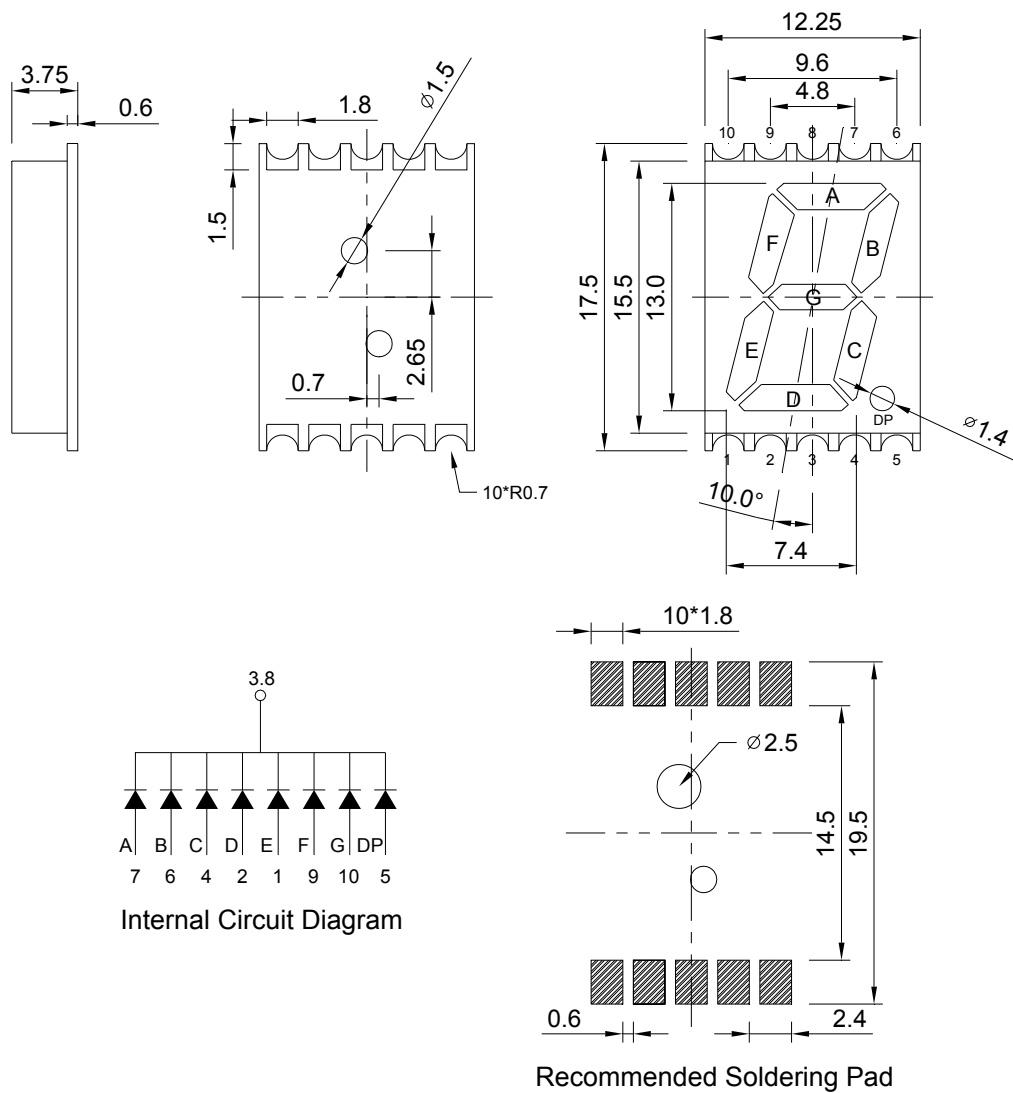
P _D (mW)	I _{FP} (mA)	I _F (mA)	Iron Solder(°C)	I _R (uA)@V _R =5V	Topr(°C)	Tstg(°C)
60	100*	25	350 ± 5 for 3 sec.	10	-40~+85	-40~+100

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

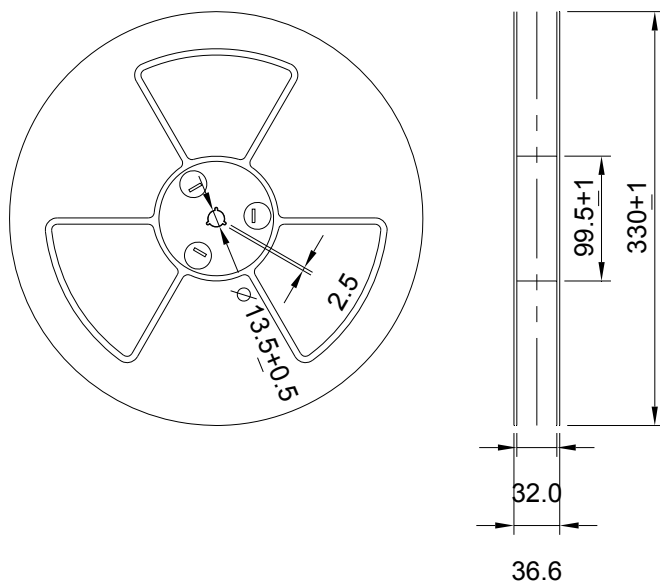


Notes:

1. All dimensions are millimeters.
2. Dimensional tolerance is $\pm 0.2\text{mm}$ unless otherwise specified.
3. Specifications are subject to change without notice.

Reel Dimension:

unit : mm

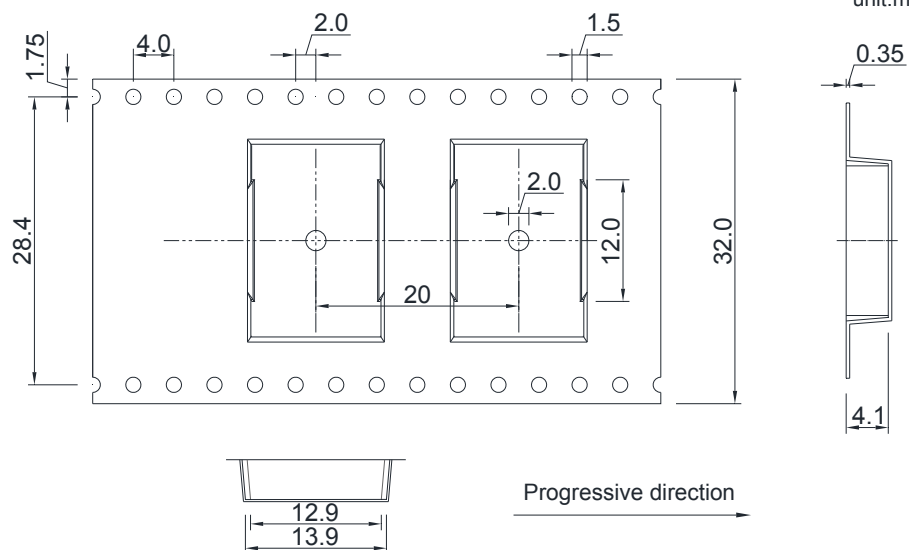


Note:

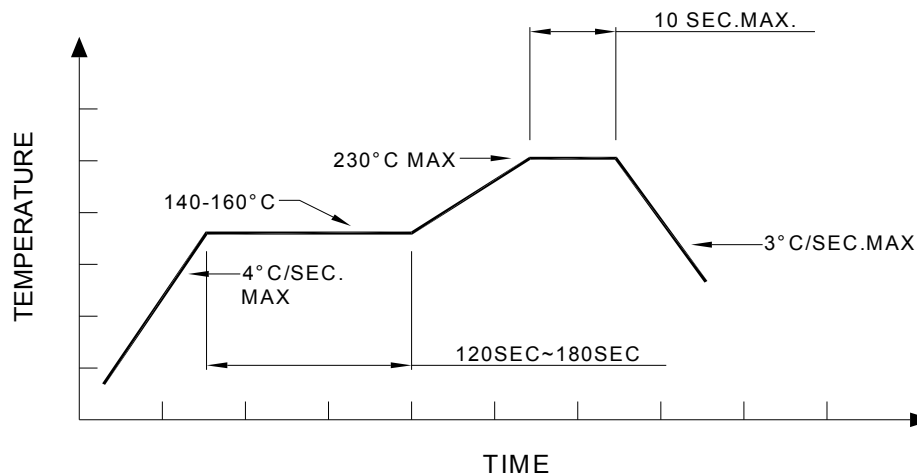
Available in 27mm carrier tape on 330mm diameter reels. (1000 pieces)

Tape Dimension:

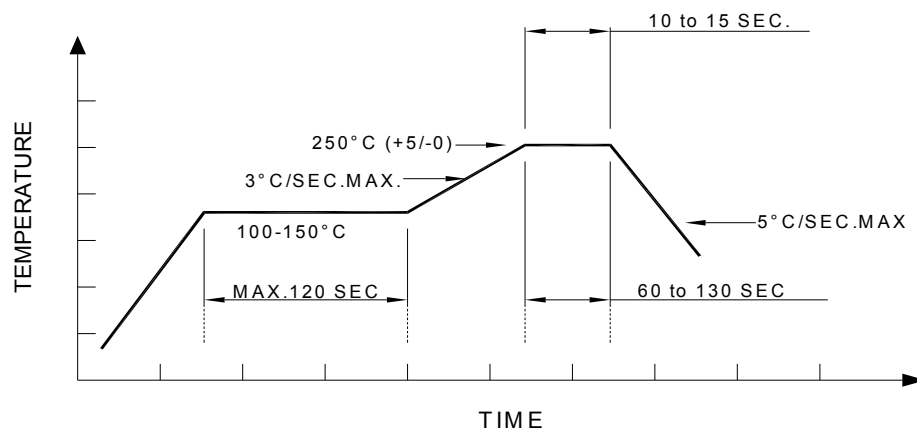
unit:mm



Recommended re-flow soldering profile:



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.