

F-TOS-F4101BMG-N-1-HF

Single Digit SMD Display LED

Part Number	Chip		Face Color	Segment Color
	Material	Source Color		
F-TOS-F4101BMG-N-1-HF	AlGaInP	Ultra-green	Gray	White

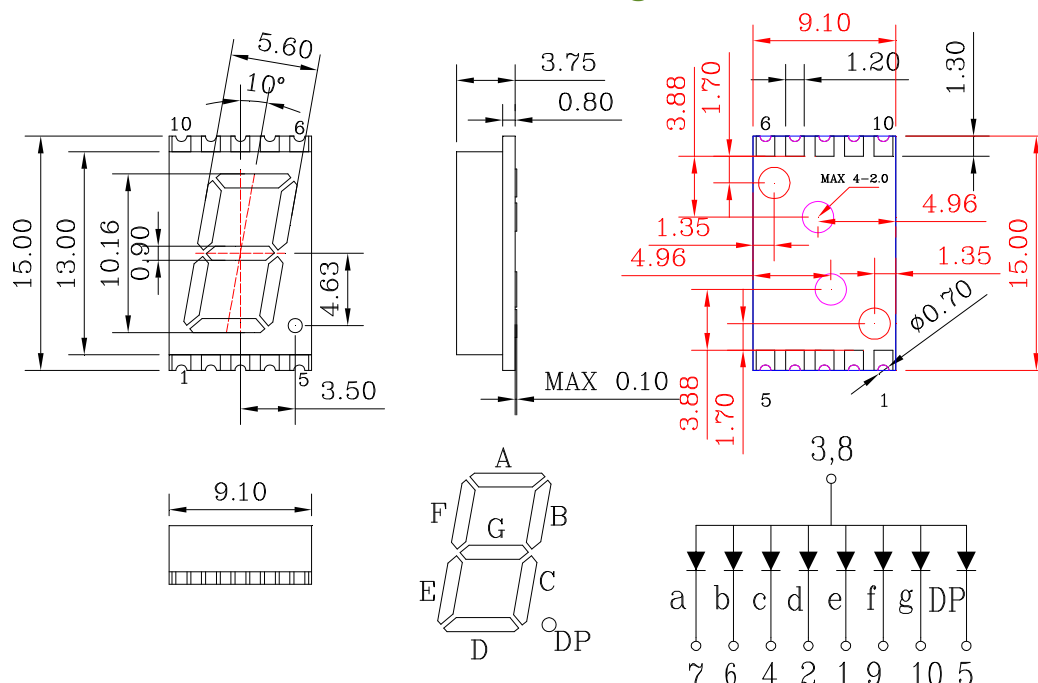
Features

- (0.30") 7.62mm digit height
- Common anode
- I.C. compatible
- Low power requirement
- RoHS compliant
- Moisture sensitivity level:2a

Applications

- Audio equipment
- Instrument panels
- Symbol display

Package Dimensions & Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters, tolerance: ± 0.25 ; Angle: $\pm 3^\circ$ unless otherwise noted.
2. Specifications are subject to change without notice.

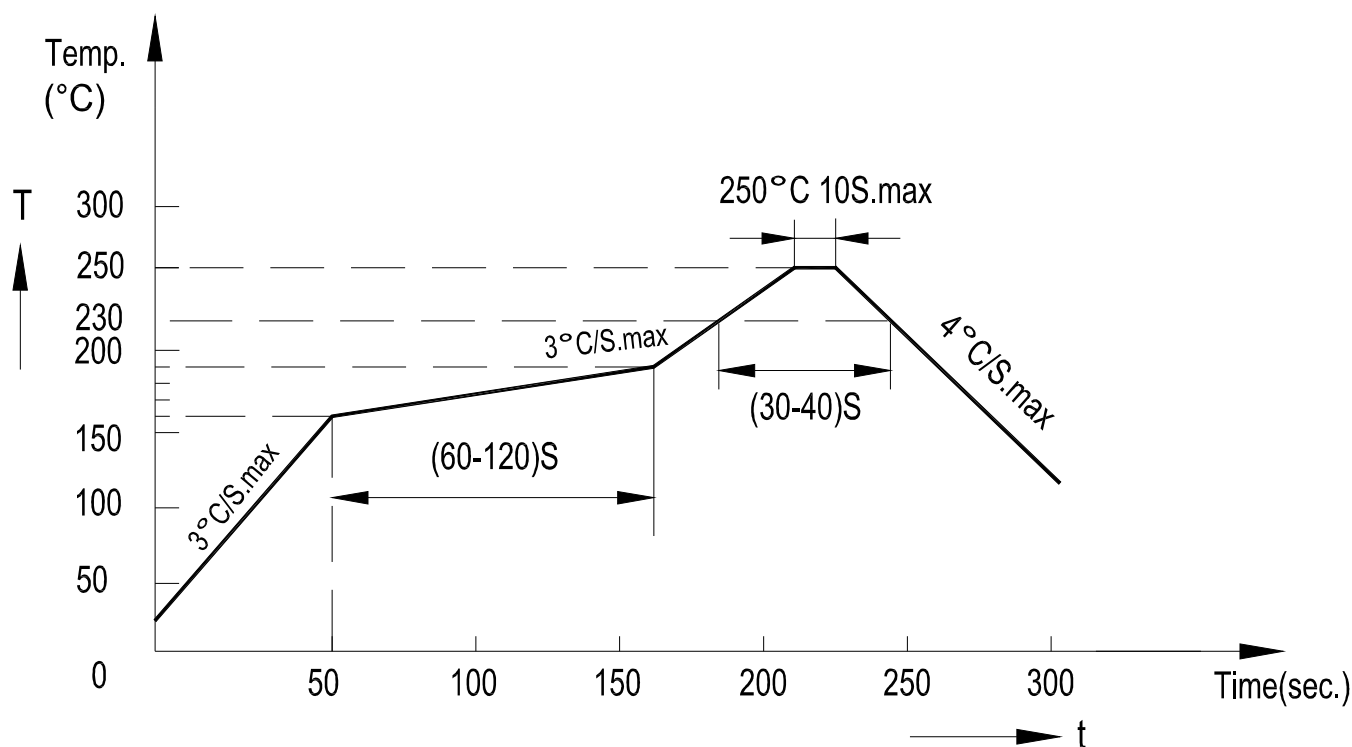
Absolute Maximum Rating @ Ta=25°C

Parameter	Maximum Rating	Unit
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	80	mA
Power Dissipation	75	mW
Continuous Forward Current	20	mA
Recommend Operating Current	12	mA
Reverse Voltage	5	V
Operating Temperature Range	-25°C to +85°C	
Storage Temperature Range	-30°C to +85°C	
Reflow Solder Temperature	250°C for 10 Sec	

Electrical / Optical Characteristic @ Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition	Grade
Dominant Wavelength	λ_d	568	570	573	nm	$I_F=20mA$	
Spectral Line Half-Width	$\Delta\lambda$		15		nm	$I_F=20mA$	
Forward Voltage	V_F	1.8	2.0	2.3	V	$I_F=20mA$	
Reverse Current	I_R			10	μA	$V_R=5V$	
Luminous Intensity Matching Rate	I_{v-m}			2.0:1		$I_F=20mA$	

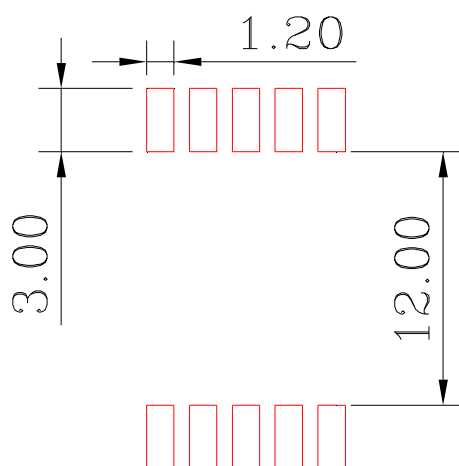
Soldering Profile



Number of reflow process shall be 2 times or less

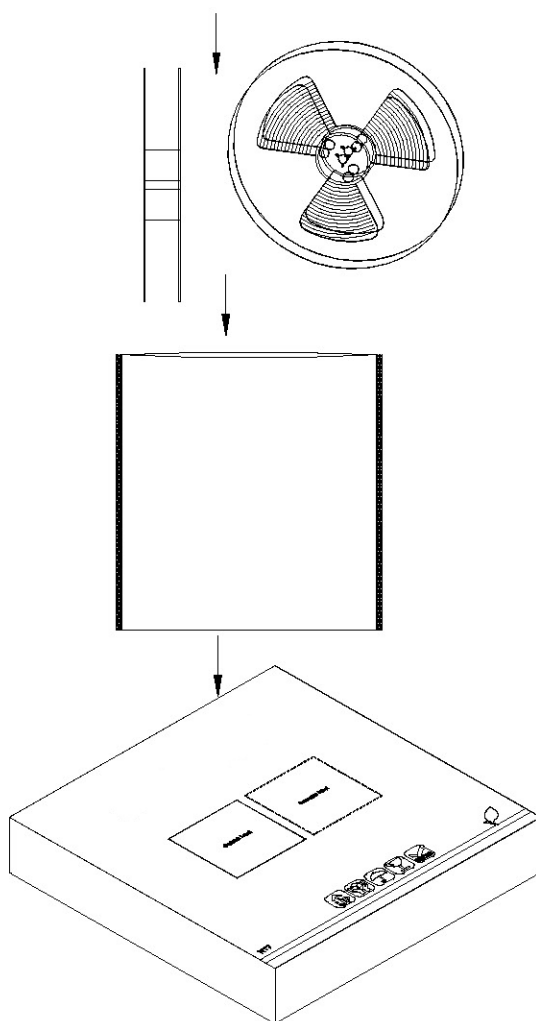
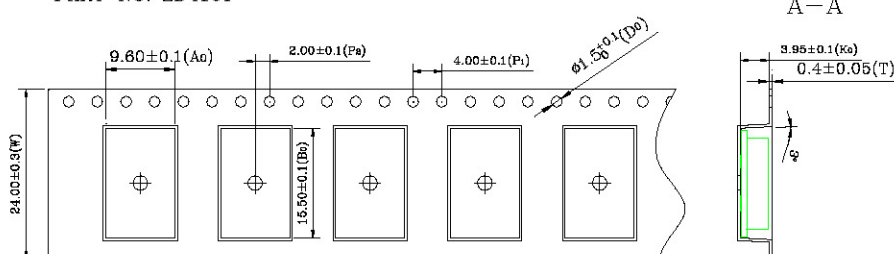
1. Manual soldering temperature : Max 320°C for 3 Sec
2. Can be second manual soldering, but must be cooling before second manual soldering, In order to guarantee the soldered area is to be smoothly covered with soldering, can delay the soldering time, but not to exceed 20s every pad, because if that, the pad will be damaged.
3. Don't cause stress to the epoxy resin while it is exposed to high temperature.

Recommended Soldering Pattern and Storage Condition



Package Description

PART NO: ZD4101



1000 Pcs/ Roll

1000 Pcs/Box