

# TOD-F3293BMR-N-1

## SMD Display LED

Part Number	Chip		Face Color	Segment Color
	Material	Source Color		
TOD-F3293BMR-N-1	AlGaInP	Ultra-Red	Gray	White

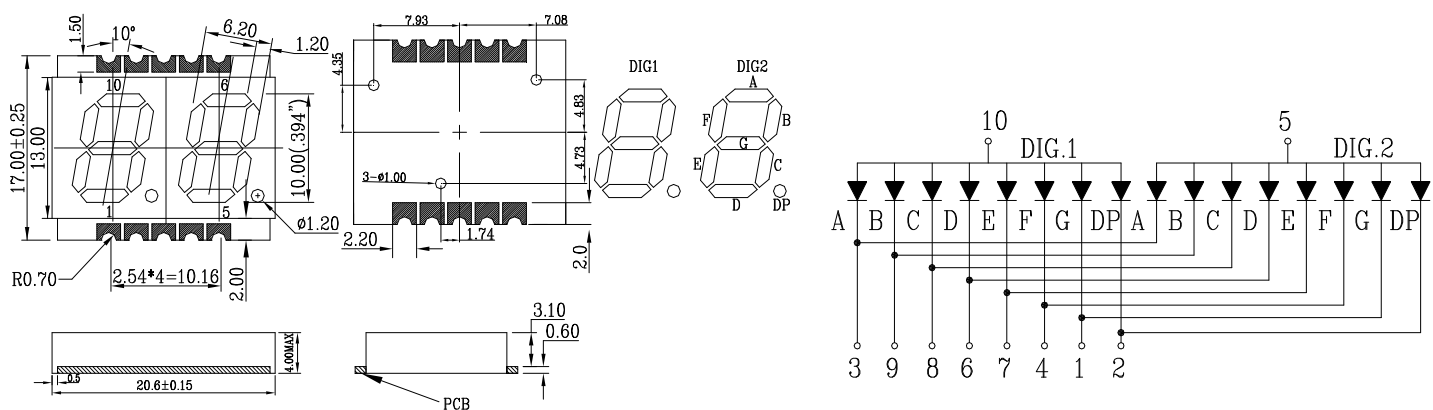
### Features

- (0.39") 10.0mm digit height
- Common Anode
- I.C. compatible
- Low power consumption
- RoHS compliant

### Applications

- Audio equipment
- Instrument panels
- Digital read out display

### Package Dimensions & Internal Circuit Diagram



#### Notes:

1. All dimensions are in millimeters, tolerance:  $\pm 0.25$  ; Angle:  $\pm 0.1^\circ$  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	
Lead-Free Solder Temperature	250°C for 10 Sec	

## Electrical / Optical Characteristic @ Ta=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition	Grade
Dominant Wavelength	$\lambda_d$		630		nm	$I_F=20\text{mA}$	
Spectral Line Half-Width	$\Delta\lambda$		15		nm	$I_F=20\text{mA}$	
Forward Voltage	$V_F$	1.8	2.0	2.3	V	$I_F=20\text{mA}$	
Reverse Current	$I_R$			100	$\mu\text{A}$	$V_R=5\text{V}$	
Luminous Intensity Matching Rate	Iv-m			2.0:1		$I_F=20\text{mA}$	