

TOS-12101AMRL-B

Single Digit Display LED

Part Number	Chip		Face Color	Segment Color
	Material	Source Color		
TOS-12101AMRL-B	AlGaInP	Ultra-red	Black	White

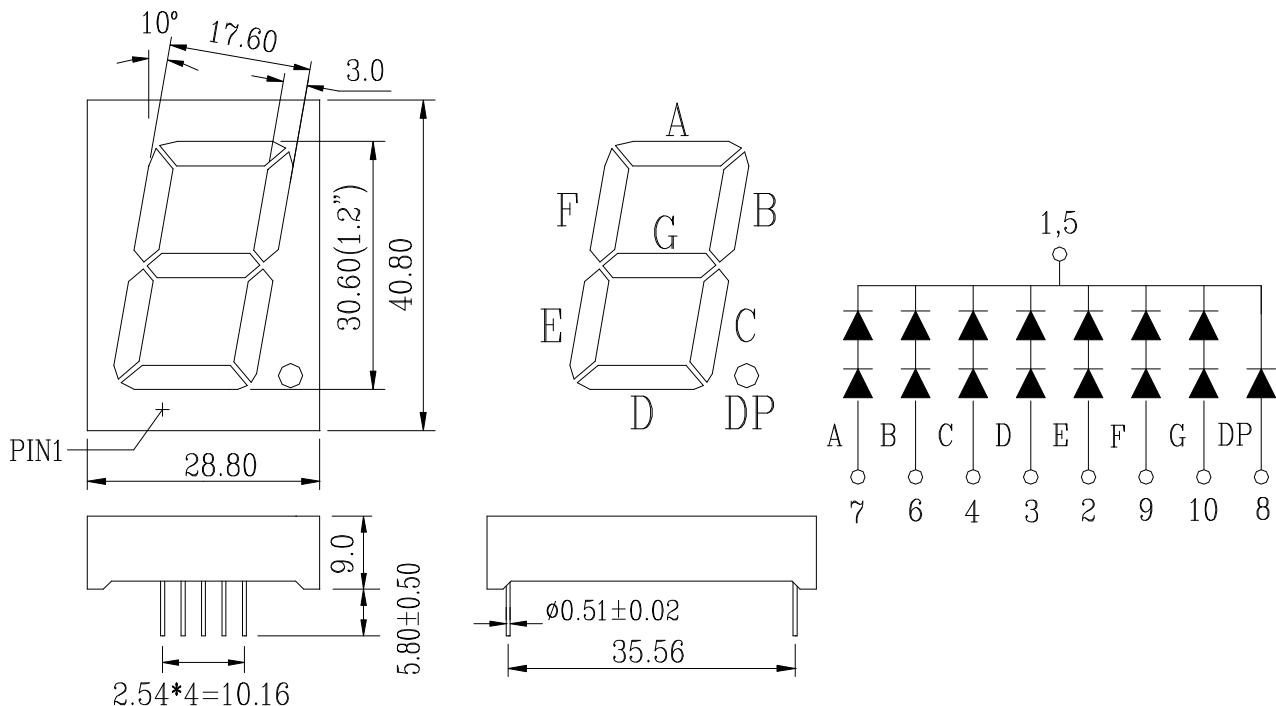
Features

- Common cathode
- I.C. compatible
- Low power requirement
- RoHS compliant

Applications

- Audio equipment
- Instrument panels
- Digital read out display

Package Dimensions & Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters, tolerance: ± 0.25 ; Angle: $\pm 1^\circ$ 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 (Except Dp)	150	mW
Continuous Forward Current (Except Dp)	20	mA
Recommend Operating Current (Except Dp)	12	mA
Reverse Voltage (Except Dp)	10	V
Operating Temperature Range	-25°C to +85°C	
Storage Temperature Range	-30°C to +85°C	
Lead-Free Solder Temperature(1/16 Inch Below Seating Plane)	260°C for 3 Sec	

Electrical / Optical Characteristic @ Ta=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition	Grade
Luminous Intensity Per Segment(Except Dp)	I _v		21937		ucd	I _F =10mA	
Dominant Wavelength	λ _d		640		nm	I _F =20mA	
Spectral Line Half-Width	Δλ		15		nm	I _F =20mA	
Forward Voltage Per Dice	V _F	1.8	2.0	2.3	V	I _F =20mA	
Reverse Current Per Dice	I _R			100	μA	V _R =10V	
Luminous Intensity Matching Rate	I _v -m			2.0:1		I _F =20mA	

The DISPLAYS should be kept at 30°C or less and 60%RH or less. The DISPLAYS should be used within one year.