

# TOS-3104AsW-B

## Single Digit Display LED

Part Number	Chip		Face Color	Segment Color
	Material	Source Color		
TOS-3104AsW-B	InGaN	White	Black	White

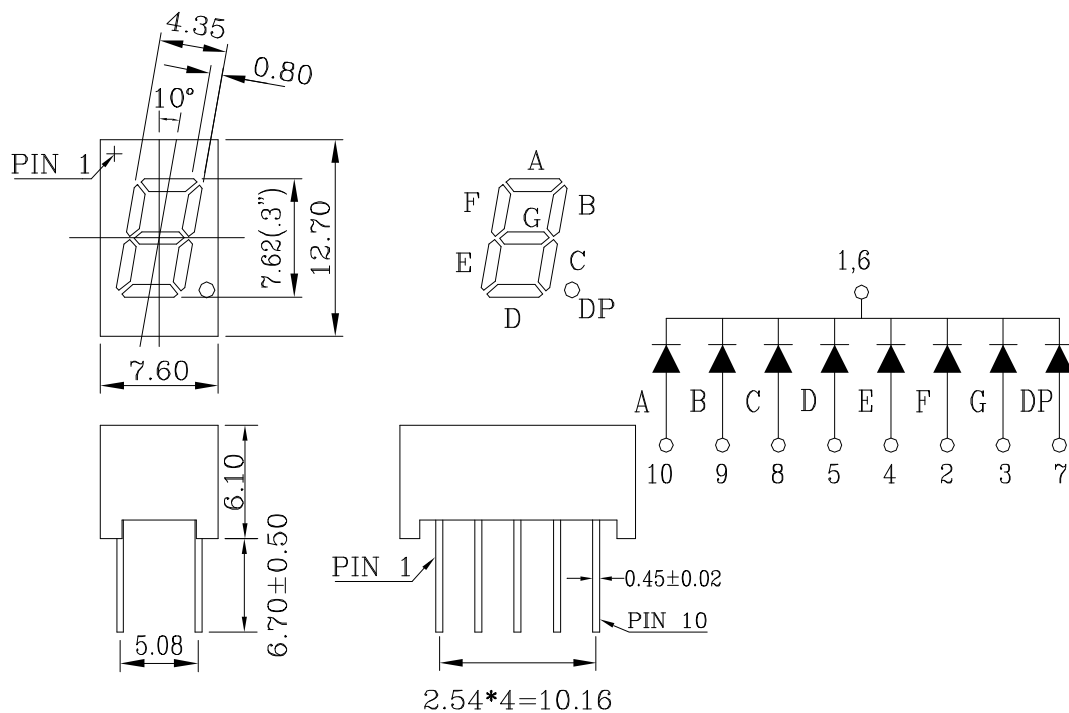
### Features

- 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:  $\pm 0.25$  ; 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	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(1/16 Inch Below Seating Plane)	260°C for 5 Sec	

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition	Grade
Luminous Intensity	I <sub>v</sub>	30	45	---	mcd	I <sub>F</sub> =10mA	
Chromaticity Coordinates	X	0.265	0.28	0.295	-	I <sub>F</sub> =20mA	
Chromaticity Coordinates	Y	0.255	0.27	0.285	-	I <sub>F</sub> =20mA	
Forward Voltage	V <sub>F</sub>	---	3.0	3.2	V	I <sub>F</sub> =20mA	
Reverse Current	I <sub>R</sub>			10	μA	V <sub>R</sub> =5V	
Luminous Intensity Matching Rate	I <sub>v</sub> -m			2.0:1		I <sub>F</sub> =20mA	

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