

TOS-5161BEG-N

Single Digit Display LED

Part Number	Chip		Face Color	Segment Color
	Material	Source Color		
TOS-5161BEG-N	GaAsP	Orange	Gray	White
	GaP	Green		

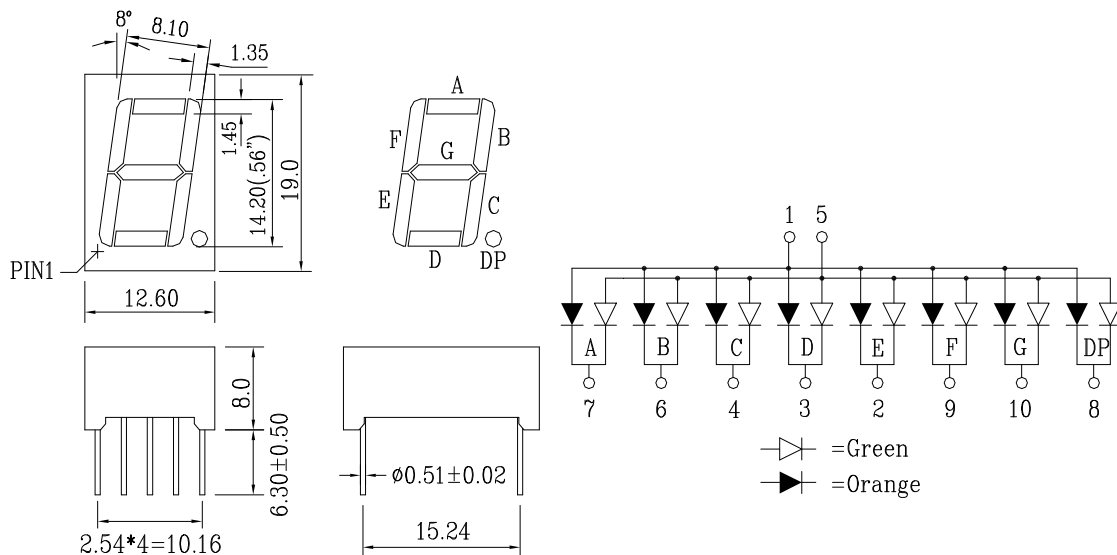
Features

- Common anode
- 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 Per segment(Except DP)	75	mW
Continuous Forward Current	20	mA
Recommend Operating Current	12	mA
Reverse Voltage Per segment(Except DP)	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 3 Sec	

Electrical / Optical Characteristic @ Ta=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v		7066		ucd	I _F =10mA
Peak Wavelength	λ _p (E)		630		nm	I _F =20mA
Peak Wavelength	λ _p (G)		570		nm	I _F =20mA
Spectral Line Half-Width	Δλ(E)		35		nm	I _F =20mA
Spectral Line Half-Width	Δλ(G)		30		nm	I _F =20mA
Forward Voltage Per segment	V _F (E)	1.8	2.1	2.4	V	I _F =20mA
Forward Voltage Per segment	V _F (G)	1.9	2.2	2.5	V	I _F =20mA
Reverse Current Per segment	I _R (E/G)			20	μA	V _R =5V
Luminous Intensity Matching Rate	I _v -m(E/G)			1.5:1		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.