TOS-30101BSG-B

Single Digit Display LED

Part Number	Chip		Face Color	Segment Color
	Material	Source Color		
TOS-30101BSG-B	GaAlAs	Super-red	Black	White
	GaP	Green		

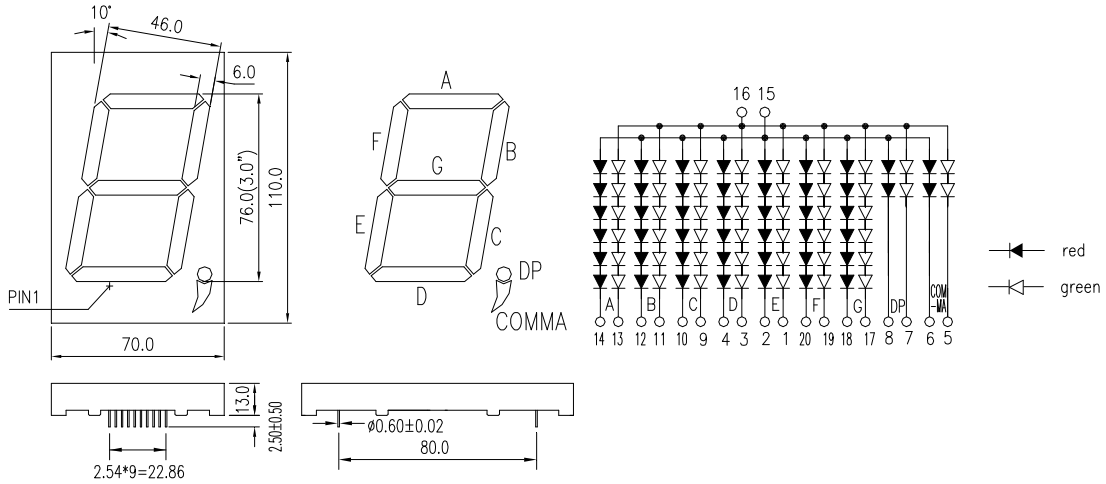
Features

- (3.0") 76.0mm digit height
- 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: ±0.1° 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 Chip	75	mW
Continuous Forward Current Per Chip	20	mA
Recommend Operating Current Per Chip	12	mA
Reverse Voltage Per Chip	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
Dominant Wavelength (S)	λ_d		660		nm	I_F=20mA	
Dominant Wavelength (G)	λ_d		570		nm	I_F=20mA	
Spectral Line Half-Width(S)	△λ		20		nm	I_F=20mA	
Spectral Line Half-Width(G)	△λ		30		nm	I_F=20mA	
Forward Voltage Per Chip	V_F	1.8	2.0	2.3	V	I_F=20mA	
Reverse Current Per Chip	I_R			10	μA	V_R=5V	
Luminous Intensity Matching Rate	Iv-m			2.0:1		I_F=20mA	

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