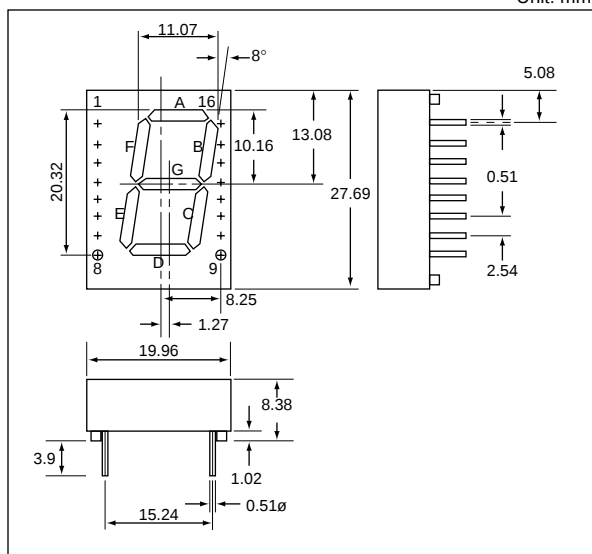




Unit: mm



AND-8010 Series

GaP–Green**7 Segment, 0.8 Inch**

Features

- Large size—7 segment displays
- 0.8 inch character height
- Available in green
- Suitable for large size displays for distance viewing, across-the-building status displays
- Available in both common cathode and common anode

Description

Size	Number of Digits	Common		Color		Number of Pins
		Cathode	Anode	Display	Face	
0.8 inch	1	AND-8010GCL	AND-8010GAL	Green	Gray	16

Absolute Maximum Ratings (T = 25°C)

Characteristics	Symbol	Rating	Unit
DC Forward Current/Segment	$I_F(\text{DC})/\text{SEG}$	30	mA
Reverse Voltage/Segment	V_R	5	V
Operating Temperature Range	T_{Opr}	-25 to 85	°C
Storage Temperature Range	T_{Stg}	-25 to 100	°C

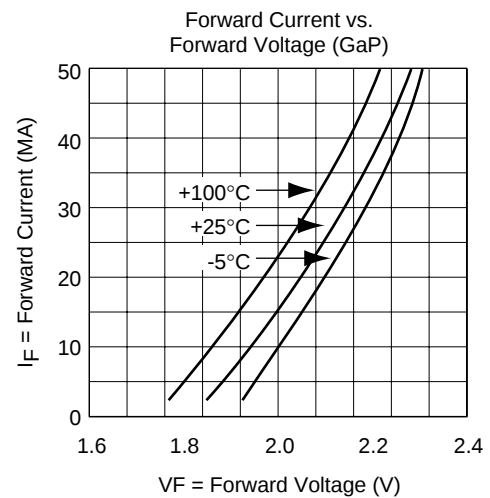
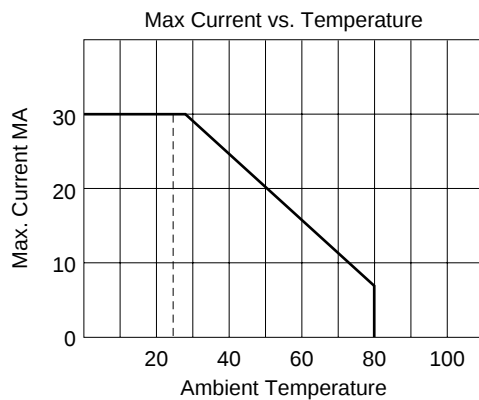
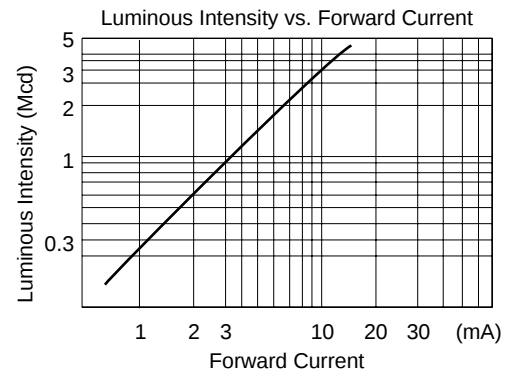
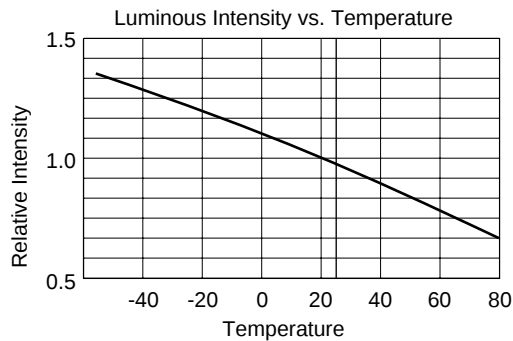
Electro-Optical Characteristics (T = 25°C)

Characteristics		Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage		V_F	$I_F = 10 \text{ mA}$	—	2.1	3.0	V
Reverse Current		I_R	$V_R = 5 \text{ V}$	—	—	100	μA
Luminous Intensity Per Segment	Green	I_V	$I_F = 10 \text{ mA}$	1.3	3.3	—	mcd
Peak Emission Wavelength	Green	λ_P	$I_F = 10 \text{ mA}$	—	567	—	nm
Spectral Line Half Width	Green	$\Delta\lambda$	$I_F = 10 \text{ mA}$	—	30	—	nm

Precaution

Please be careful of the following:

1. Soldering temperature: 260°C max; Soldering time: 3 sec. max; Soldering portion of lead: up to 2 mm from the body of the device.
2. The lead can be formed up to 5 mm from the body of the device without forming stress. Soldering should be performed after the lead forming.



AND-8010 Series Pin Connection Table

AND-8010GCL			
Pin	Connection	Pin	Connection
1	Anode A	9	Anode R.H. dp
2	Anode F	10	Anode D
3	Common Cathode	11	Common Cathode
4	Anode E	12	Anode C
5	Common Cathode	13	Anode G
6	Anode L.H. dp	14	Anode B
7	No pin	15	No pin
8	No pin	16	Common Cathode

AND-8010GAL			
Pin	Connection	Pin	Connection
1	Cathode A	9	Cathode R.H. dp
2	Cathode F	10	Cathode D
3	Common Anode	11	Common Anode
4	Cathode E	12	Cathode C
5	Common Anode	13	Cathode G
6	Cathode L.H. dp	14	Cathode B
7	No pin	15	No pin
8	No pin	16	Common Anode