

## AND-8010 Series

### GaAsP/GaP-Red; GaP-Green

### 7 Segment, 0.8 Inch

#### Features

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

#### Description

Size	Number of Digits	Common		Color		Number of Pins
		Cathode	Anode	Display	Face	
0.8 inch	1	AND-8010SCL	AND-8010SAL	Red	Red	16
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	$V_R$	3 (Red), 5 (Green)	V
Operating Temperature Range	$T_{\text{Opr}}$	-25 to 85	°C
Storage Temperature Range	$T_{\text{Stg}}$	-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	$I_R$	$V_R = 3 \text{ (Red)}, 5 \text{ (Green)}$	—	—	100	$\mu\text{A}$
Luminous Intensity Per Segment	Red	$I_F = 10 \text{ mA}$	2.3	3.8	—	mcd
	Green		2.0	3.3	—	
Peak Emission Wavelength	Red	$I_F = 10 \text{ mA}$	—	635	—	nm
	Green		—	567	—	
Spectral Line Half Width	Red	$I_F = 10 \text{ mA}$	—	40	—	nm
	Green		—	30	—	

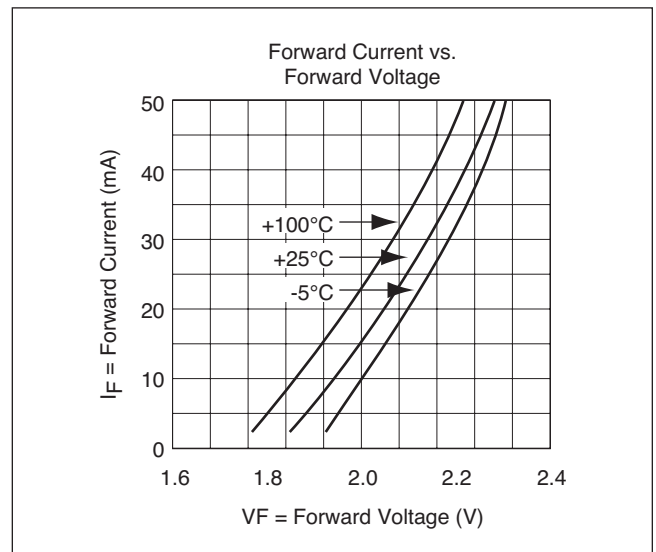
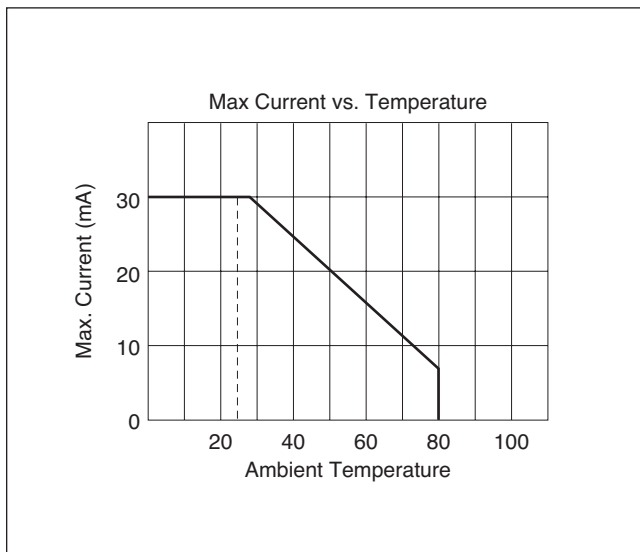
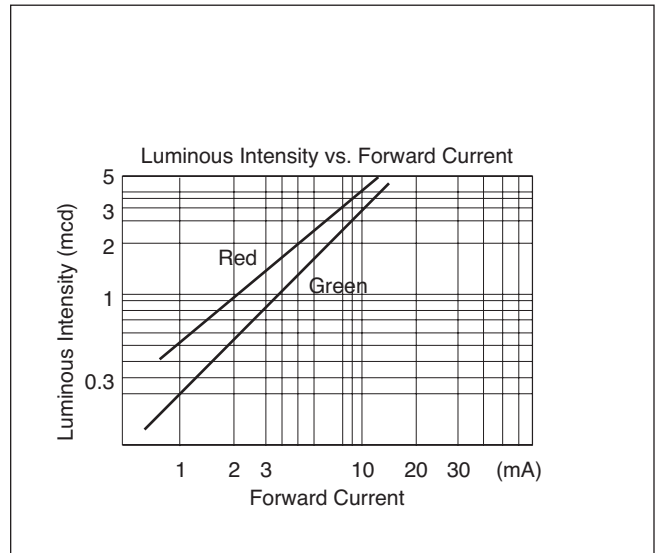
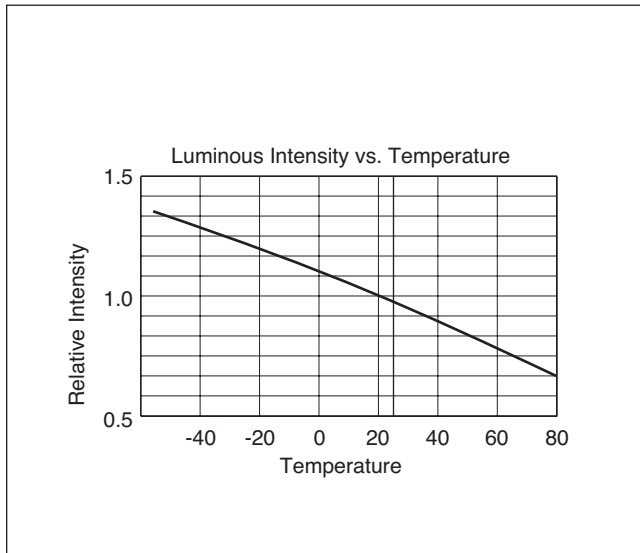
#### Precaution

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.

Product specifications contained herein may be changed without prior notice.

It is therefore advisable to contact Purdy Electronics before proceeding with the design of equipment incorporating this product.



**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