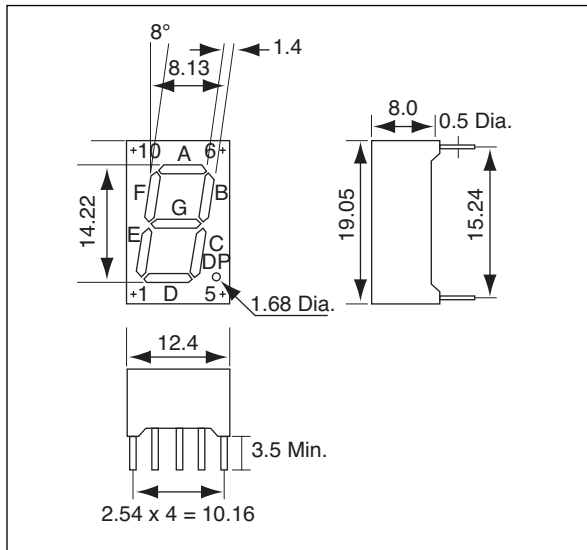


Unit: mm



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-5610 Series

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

### 7 Segment, 0.56 Inch

#### Features

- 0.56 inch character height
- Available in red or green
- Suitable for numerical readout for instrument and industrial products
- Industry pin-for-pin compatibility
- Available in both common cathode and common anode

• RoHS Compliant

#### Description

Size	Number of Digits	Common		Color		Number of Pins
		Cathode	Anode	Display	Face	
0.56 inch	1	AND-5610SCL	AND-5610SAL	Red	Red	10
0.56 inch	1	AND-5610GCL	AND-5610GAL	Green	Gray	10

#### Absolute Maximum Ratings (T = 25°C)

Characteristics	Symbol	Rating	Unit
DC Forward Current/Segment	$I_F(\text{DC})/\text{SEG}$	30	mA
Pulse Forward Current/Segment	$I_{FP}/\text{SEG}$	100	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

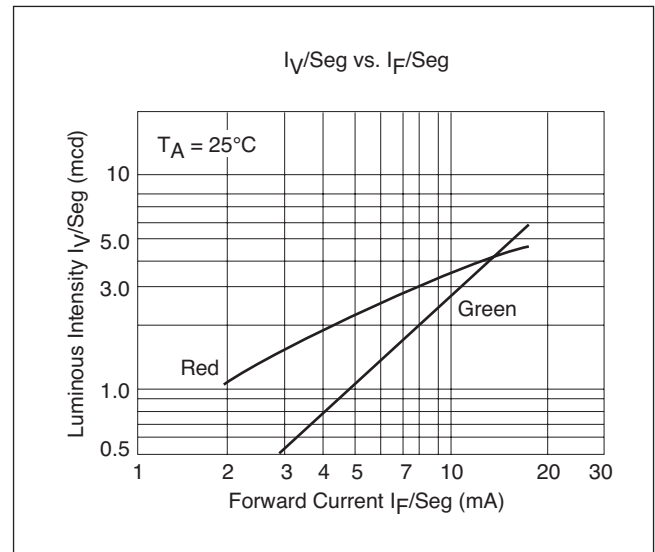
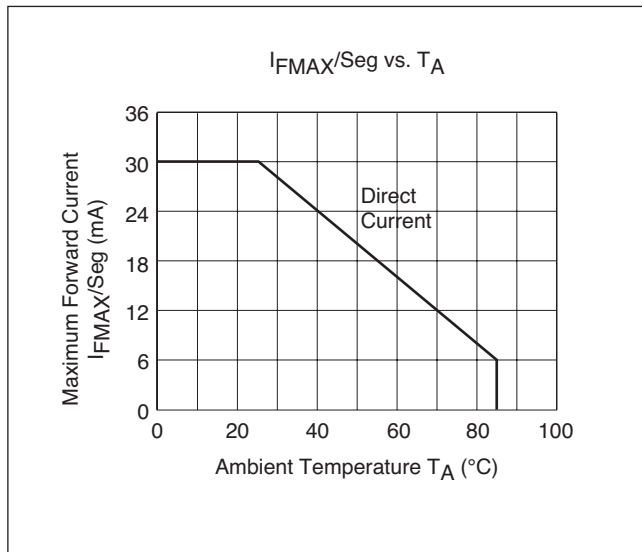
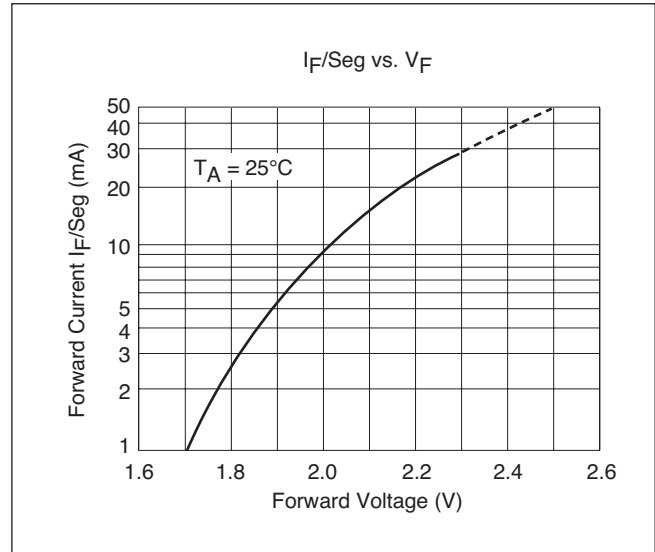
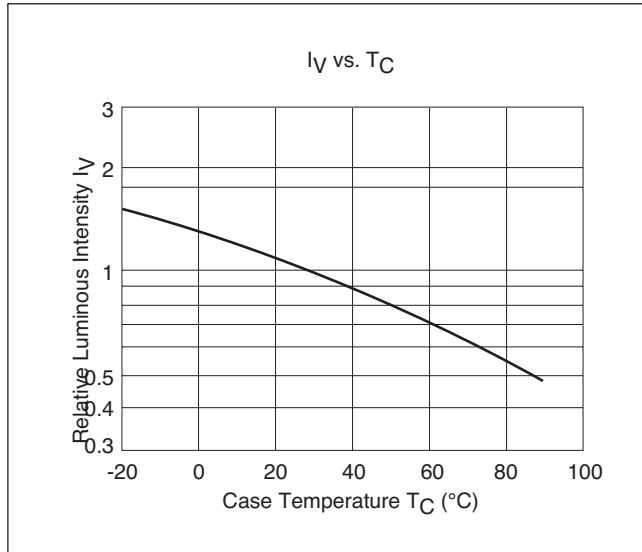
#### Electro-Optical Characteristics (T = 25°C)

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	$I_F = 10 \text{ mA}$	2.0	3.3	–	mcd
	Green	$I_F = 10 \text{ mA}$	1.7	2.9	–	mcd
Peak Emission Wavelength	Red	$I_F = 10 \text{ mA}$	–	635	–	nm
	Green	$I_F = 10 \text{ mA}$	–	567	–	nm
Spectral Line Half Width	Red	$I_F = 10 \text{ mA}$	–	40	–	nm
	Green	$I_F = 10 \text{ mA}$	–	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-5610 Series Pin Connection Table**

AND-5610SCL/GCL			
Pin	Connection	Pin	Connection
1	Anode E	6	Anode B
2	Anode D	7	Anode A
3	Common Cathode	8	Common Cathode
4	Anode C	9	Anode F
5	Anode Dp	10	Anode G

AND-5610SAL/GAL			
Pin	Connection	Pin	Connection
1	Cathode E	6	Cathode B
2	Cathode D	7	Cathode A
3	Common Anode	8	Common Anode
4	Cathode C	9	Cathode F
5	Cathode Dp	10	Cathode G