

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-1510 Series

GaAsP/GaP-Red

7 Segment, 1.5 Inch

Features

- 1.5 inch character height
- Available in red
- 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	
1.5 inch	1	AND-1510SCL	AND-1510SAL	Red	Red	10

Absolute Maximum Ratings (T = 25°C)

Characteristics	Symbol	Rating	Unit
DC Forward Current/Segment	$I_F(DC)/SEG$	30	mA
Pulse Forward Current/Segment	I_{FP}/SEG	100	mA
Reverse Voltage/Segment	V_R	3	V
Operating Temperature Range	T_{Opr}	-25 to 85	°C
Storage Temperature Range	T_{Stg}	-25 to 100	°C

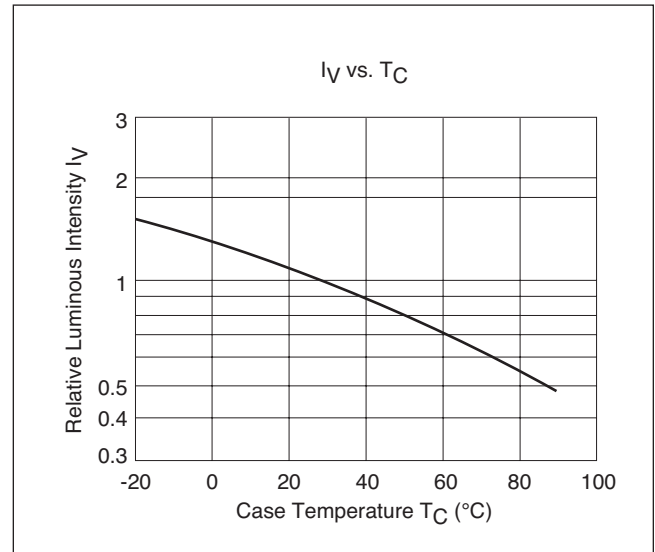
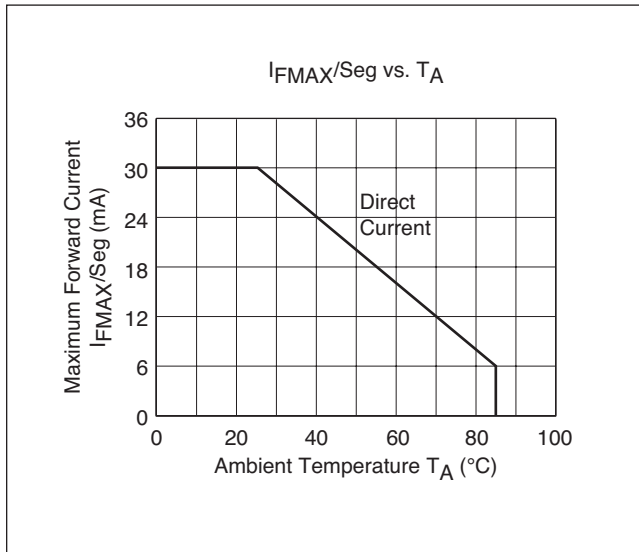
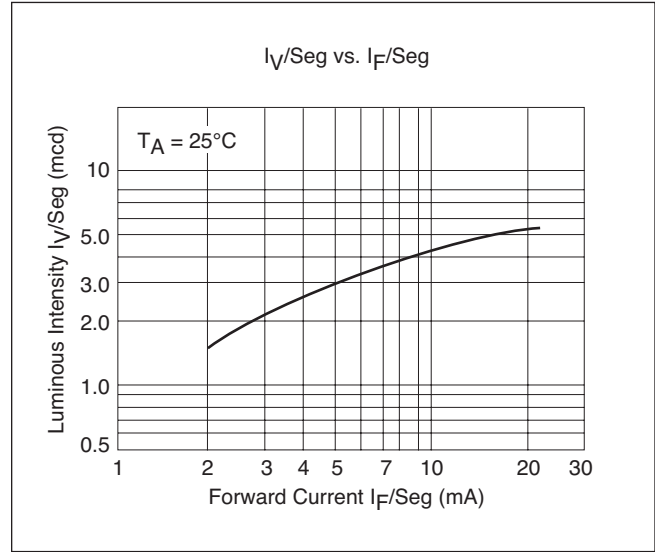
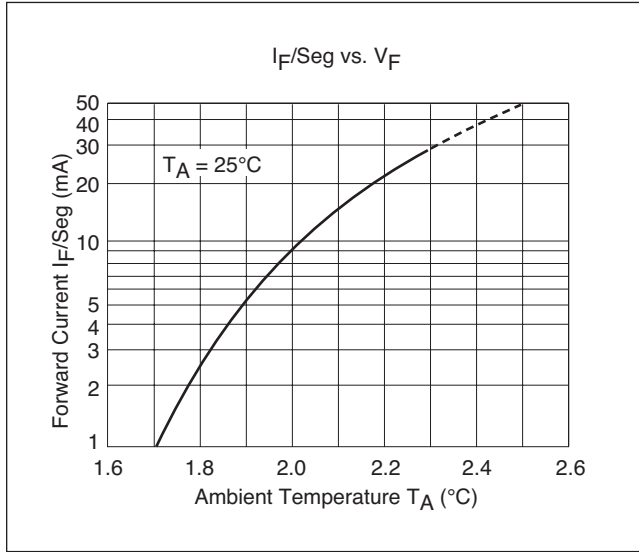
Electro-Optical Characteristics (T = 25°C)

Characteristics	Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage/Segment	V_F	$I_F = 10 \text{ mA}$	–	4.2	6.0	V
Forward Voltage/D.P.	V_F	$I_F = 10 \text{ mA}$	–	2.1	3.0	V
Reverse Current	I_R	$V_R = 3 \text{ V}$	–	–	100	μA
Luminous Intensity Per Segment	Red I_V	$I_F = 10 \text{ mA}$	1.8	4.6	–	mcd
Peak Emission Wavelength	Red λ_P	$I_F = 10 \text{ mA}$	–	635	–	nm
Spectral Line Half Width	Red $\Delta\lambda$	$I_F = 10 \text{ mA}$	–	40	–	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-1510 Series Pin Connection Table

AND-1510SCL			
Pin	Connection	Pin	Connection
1	Common Cathode	6	B Anode
2	E Anode	7	A Anode
3	D Anode	8	Dp Anode
4	C Anode	9	F Anode
5	Common Cathode	10	G Anode

AND-1510SAL			
Pin	Connection	Pin	Connection
1	Common Anode	6	B Cathode
2	E Cathode	7	A Cathode
3	D Cathode	8	Dp Cathode
4	C Cathode	9	F Cathode
5	Common Anode	10	G Cathode