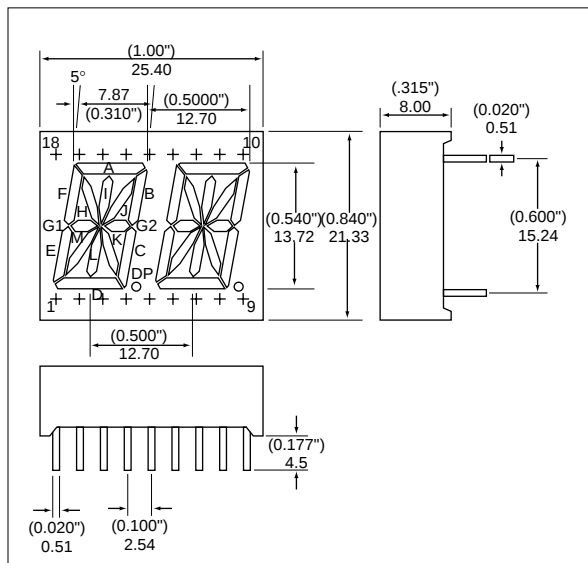




Unit: inches (mm)



AND-5420 Series

GaAsP/GaP-Red

16 Segment, Single Digit, 0.54 Inch

Features

- 16 segment alphanumeric displays
- 0.54 inch character height
- Available in red
- Suitable for computer peripherals and terminal displays for viewing at a distance
- Available in both common cathode and common anode

Description

Size	Number of Digits	Common		Color		Number of Pins
		Cathode	Anode	Display	Face	
0.54 inch	1	AND-5420OCLB	AND-5420OALB	Red	Red	18

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 (1us Pulse – 0.3% Duty Cycle)	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 85	°C

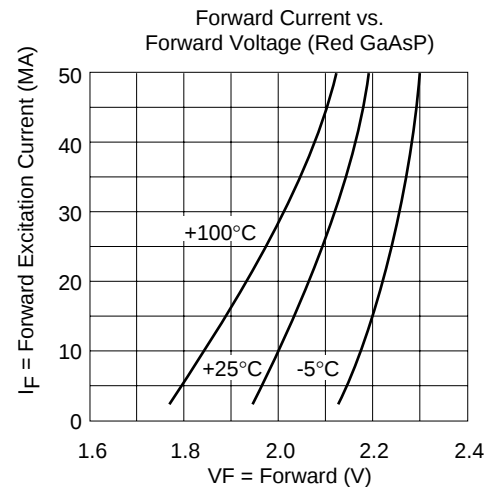
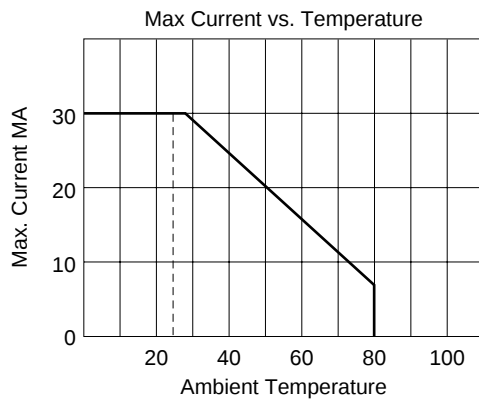
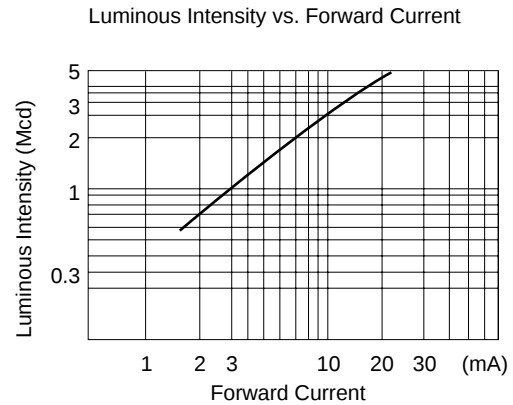
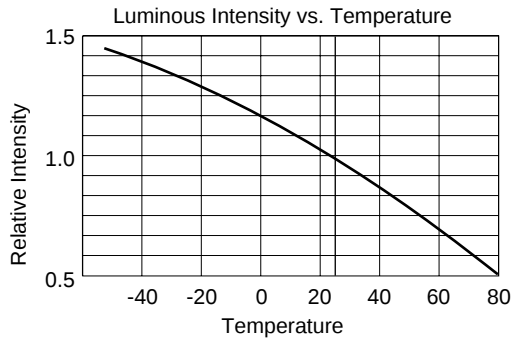
Electro-Optical Characteristics (T = 25°C)

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	$V_R = 5 \text{ V}$	–	–	1	μA
Luminous Intensity Per Segment	Red I_V	$I_F = 10 \text{ mA}$	1.3	3.3	–	mcd
Peak Emission Wavelength	Red λ_P	$I_F = 10 \text{ mA}$	–	635	–	nm
Spectral Line Half Width	Red $\Delta\lambda$	$I_F = 10 \text{ mA}$	–	45	–	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-5420 Series Pin Connection Table

AND-5420CLB			
Pin	Connection	Pin	Connection
1	E Anode	10	B Anode
2	M Anode	11	Digit 2 Common Cathode
3	No Connection	12	A Anode
4	L Anode	13	G1 Anode
5	K Anode	14	J Anode
6	G2 Anode	15	I Anode
7	D Anode	16	Digit 1 Common Cathode
8	DP Anode	17	H Anode
9	C Anode	18	F Anode

AND-5420OALB			
Pin	Connection	Pin	Connection
1	E Cathode	10	B Cathode
2	M Cathode	11	Digit 2 Common Anode
3	No Connection	12	A Cathode
4	L Cathode	13	G1 Cathode
5	K Cathode	14	J Cathode
6	G2 Cathode	15	I Cathode
7	D Cathode	16	Digit 1 Common Anode
8	DP Cathode	17	H Cathode
9	C Cathode	18	F Cathode