

Single Digit 7-segment RGB LED Display

RoHS Directive Compliant

# **AD-121F2**



## **Characteristics**

1) Single Digit 7-segment RGB LED display

2) Digit height: 1.0" (25.4mm)

3) Dimensions: 27.5x40mm

4) High brightness

## **Absolute Maximum Ratings at Ta=25°C**

ltem	Symbol		l locate		
		Red	Green	Blue	Unit
DC Forward Current	lF	40	30	30	mA
Pulse Forward Current *1	<b>I</b> FP		100		mA
Reverse Voltage	VR		5.0		V
Power Dissipation *2	Pdt		150		mW
Operating Temperature	Topr		-20 to +70		°C
Storage Temperature	Tstg		-30 to +85		°C
Soldering Temperature	Tsol	Soldering Ir	on: 260°C max., 3 se	conds max.	°C

<sup>\*1</sup> Duty1/10, Pulse width ≤1ms

#### Optical Charactaristics at Ta=25°C

Optical Charactaristics at 1a-23 C						
Item	Symbol	Color	Тур	Max	Unit	Condition
Forward Voltage	VF	Red	2.1	2.6	V	IF=20mA
		Green	3.5	4.1		
		Blue	3.4	4.1		
Reverse Current	lr	Red	-	100	μA	Vr=5V
		Green	-	100		
		Blue	-	100		
Luminous Intensity	lv	Red	244	-	mcd	IF=20mA
		Green	552	-		
		Blue	100	-		
Dominant Wavelength	λd	Red	616	-	nm	IF=20mA
		Green	523	-		
		Blue	468	-		
Spectral Line half-width	Δλ	Red	20	-	nm	IF=20mA
		Green	34	-		
		Blue	24	-		

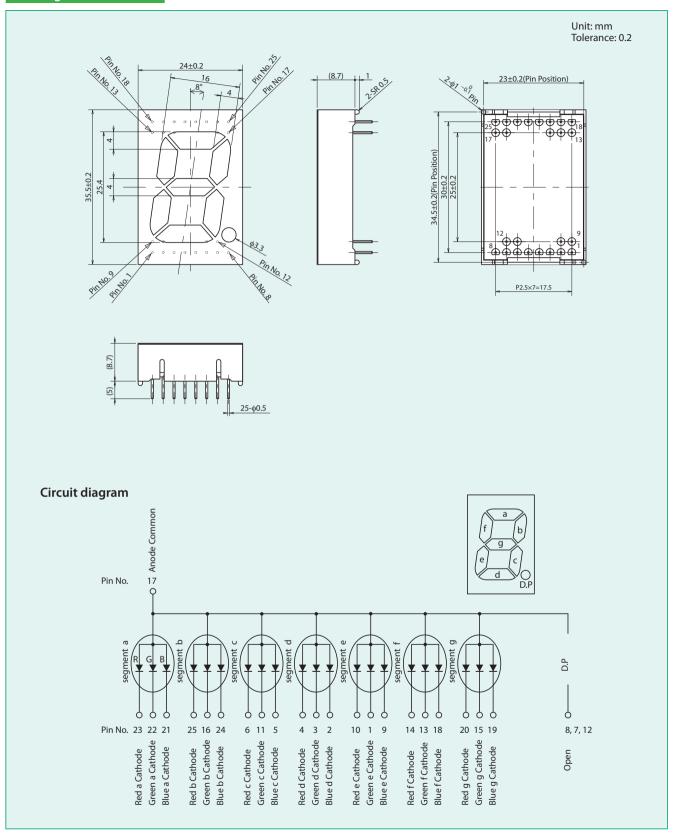
<sup>\*</sup> The Values are applicable to each single segment.



<sup>\*2</sup> Value when two and more devices are lit simultaneously.

<sup>\*</sup> The Values are applicable to each single segment.

#### Package Dimensions



·The appearance and specifications of the product may be modified for improvement without notice.

