



## 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** \*

Item	Symbol	Value			Unit
		Red	Green	Blue	
DC Forward Current	IF	40	30	30	mA
Pulse Forward Current *1	IFP		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 Iron: 260°C max., 3 seconds max.			°C

\*1 Duty 1/10, Pulse width ≤1ms

\*2 Value when two and more devices are lit simultaneously.

\* The Values are applicable to each single segment.

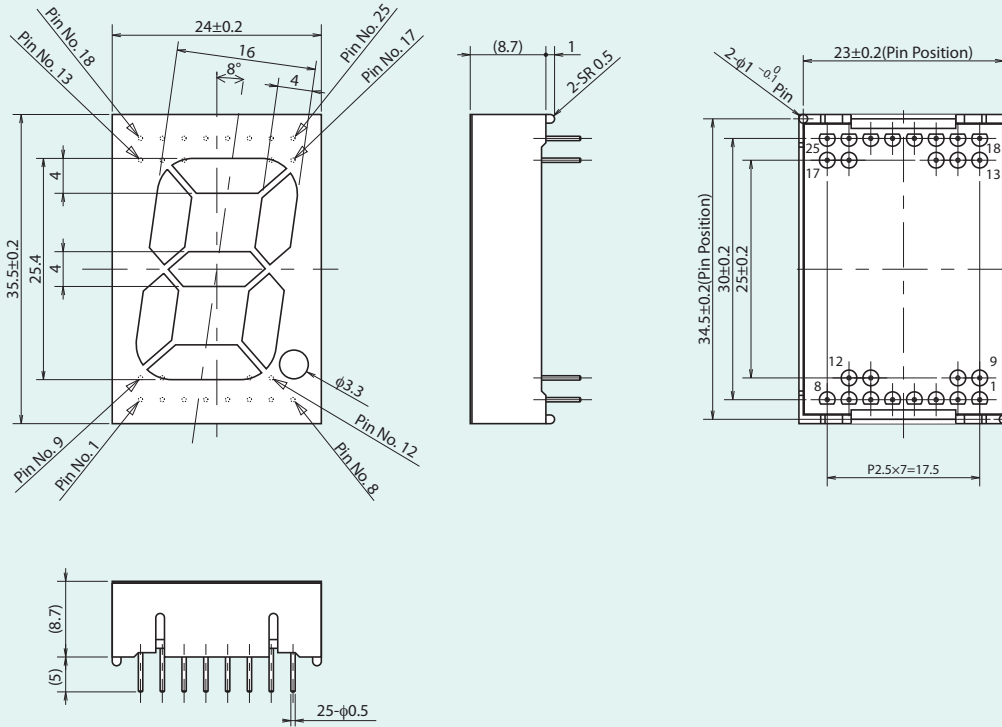
**Optical Characteristics at Ta=25°C** \*

Item	Symbol	Color	Typ	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	IR	Red	-	100	μA	VR=5V
		Green	-	100		
		Blue	-	100		
Luminous Intensity	IV	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	-		

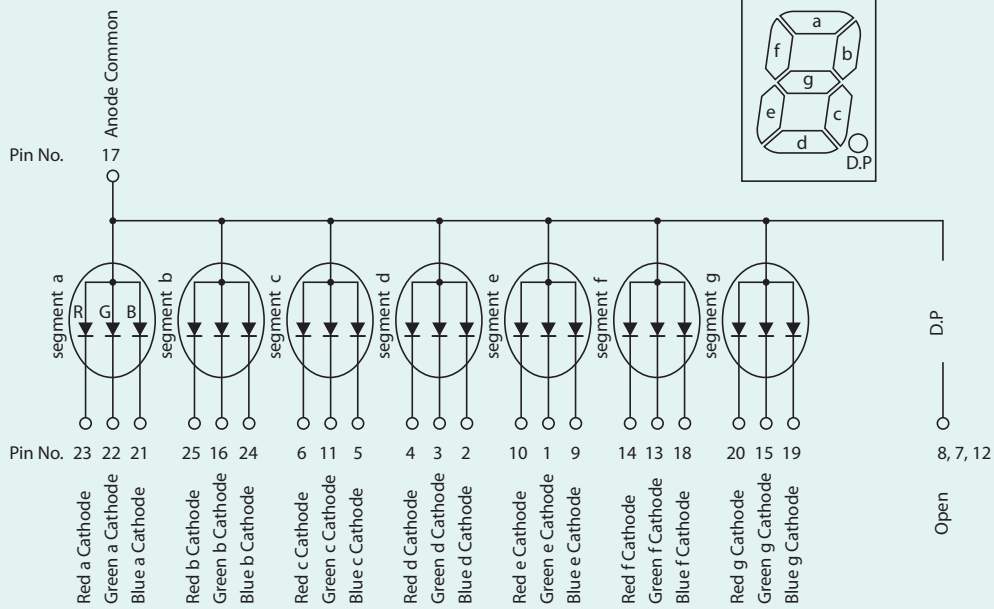
\* The Values are applicable to each single segment.

## Package Dimensions

Unit: mm  
Tolerance: 0.2



## Circuit diagram



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