



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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.

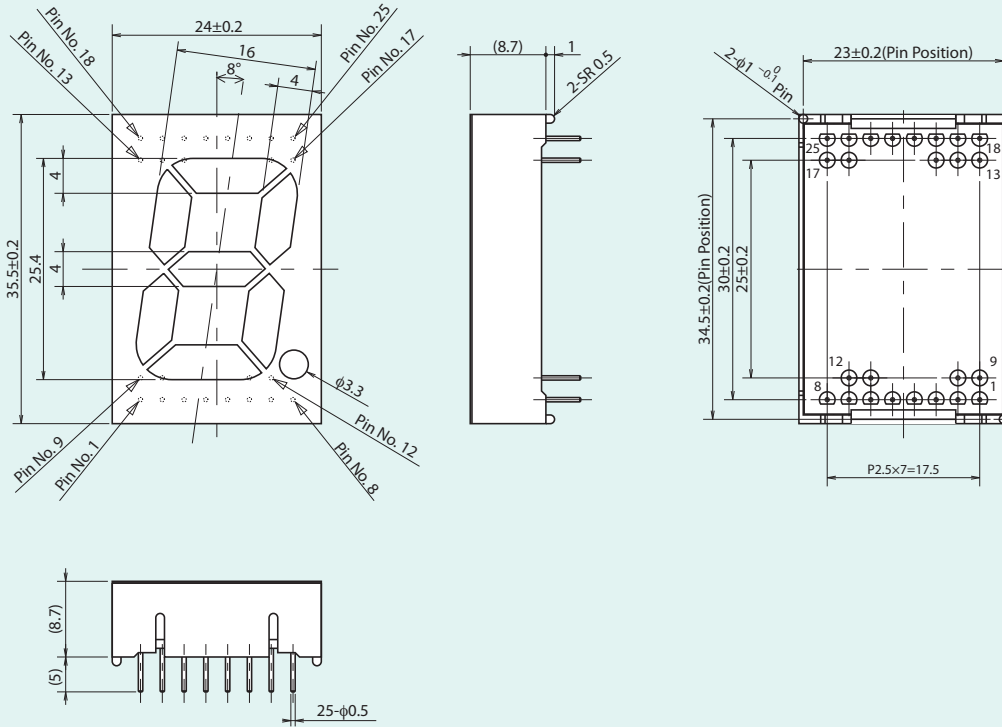
Optical Characteristics at Ta=25°C *

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	-		

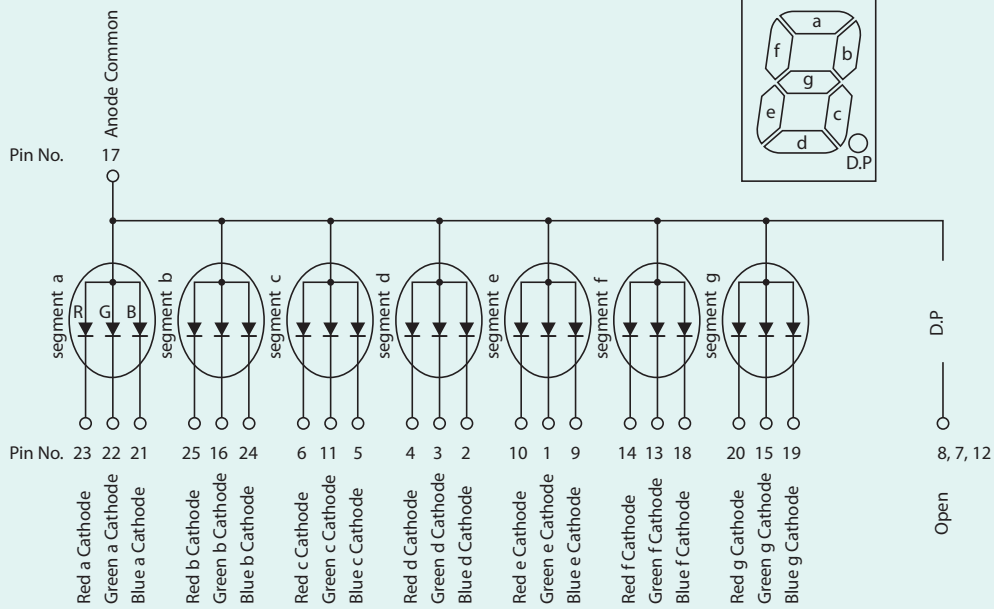
* The Values are applicable to each single segment.

Package Dimensions

Unit: mm
Tolerance: 0.2



Circuit diagram



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