

Bipolar LED Matrix

Part No. 08FYM12882AEG

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Φ3.00mm 8*8 Bi-COLOR DOT MATRIX LED DISPLAYS

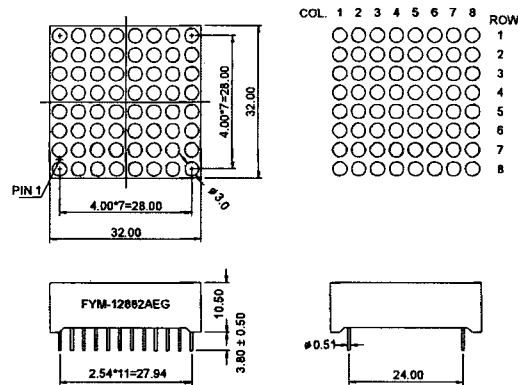
■ Features:

- 1.20inch(32.0mm) Matrix height
- Bi-color –Orange + Green
- Flat package and light weight
- Easy assembly
- High quality and low cost
- High reliable and intensity
- Low power requirement

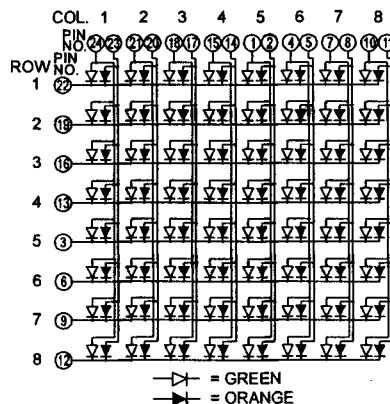
■ Description

- 8*8 dot matrix displays
- Φ3.00mm dot and pitch 4.00mm
- Black face and diffused dot

■ Package dimensions



■ Internal circuit diagram



Φ 3.00mm 8*8 Bi-COLOR DOT MATRIX LED DISPLAYS

■ Absolute Maximum Ratings at Ta=25 °C

Parameter	Symbol	Orange	Green		Unit
Forward Current	I _F	30	30		mA
Power Dissipation	P _d	80	80		mW
Reverse Voltage	V _R	5	5		V
Peak Forward Current (Duty 1/10 @1KHZ)	I _{PF}	150	150		mA
Operation Temperature	T _{OPR}	-40 to +80			°C
Storage Temperature	T _{STG}	-40 to +85			°C
Lead Soldering Temperature	T _{SOL}	Max.260 ± 5 °C for 3 sec Max.			°C

■ Electronic Optical Characteristics at Ta=25 °C

Items	Symbol	Color	Min.	Typ.	Max.	Unit	Condition
Forward Voltage	V _F	Orange	-	2.10	2.50	V	I _F =20mA
		Green	-	2.20	2.50		
Reverse Current	I _R		-	-	50	uA	V _R =5V
Peak Wavelength	λ _P	Orange	-	635	-	nm	I _F =20mA
		Green	-	570	-		
Spectrum Line Half width	Δλ	Orange	-	35	-	nm	I _F =20mA
		Green	-	30	-		
Luminous Intensity	I _V	Orange	-	240	-	cd/m ²	I _F =10mA/dot
		Green	-	240			