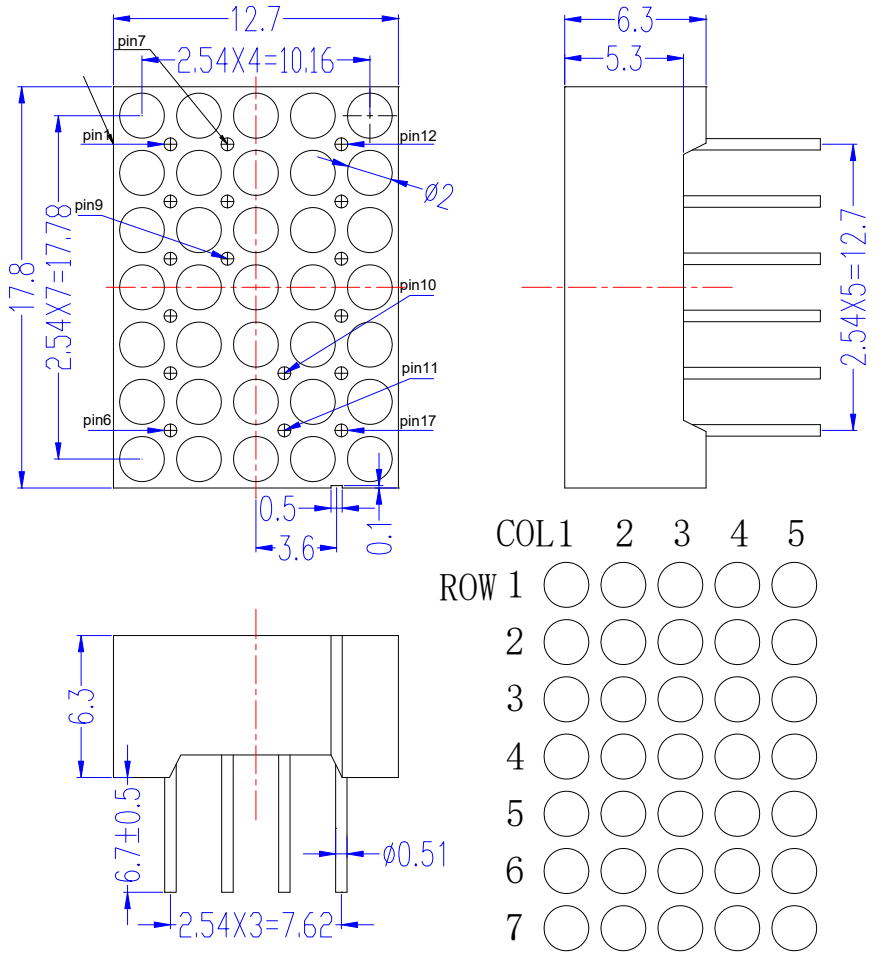
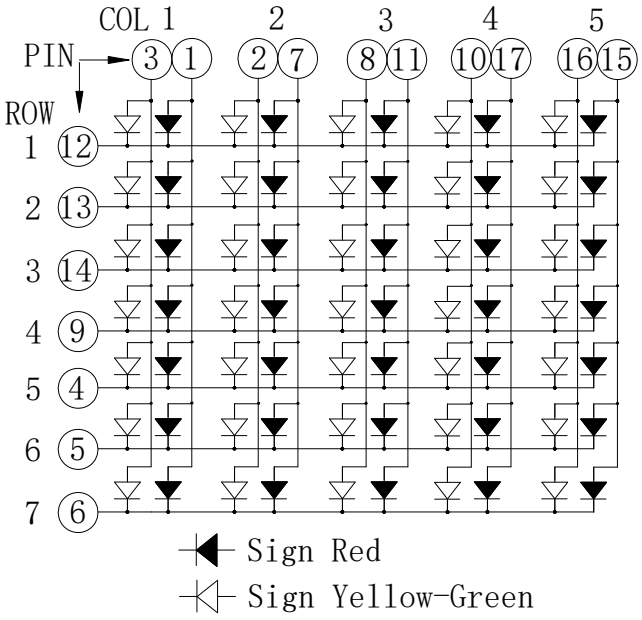
■ Outer Dimension:



Notes: Unless otherwise stated, The tolerance is ±0.25mm.

■ Circuit diagram



■Pin Connection:

PIN NO.	CONNECTION	PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Anode COL Red1	7	Anode COL Green2	13	Cathode ROW2

2	Anode COL Green2	8	Anode COL Red3	14	Cathode ROW3
3	Anode COL Green1	9	Cathode ROW4	15	Anode COL Green5
4	Cathode ROW5	10	Anode COL Red4	16	Anode COL Red5
5	Cathode ROW6	11	Anode COL Green3	17	Anode COL Green4
6	Cathode ROW7	12	Cathode ROW1		

■ Features:

- . High Reliability
- . Color: Dual Color (Yellow Green and Red) Dot Matrix
- . Low Power Requirement

■ Description:

- . 5X7Dot Matrix Common Anode Row
- . ϕ 1.9mm Dot and Pitch 2.54mm
- . Black Face and Diffuser Epoxy Dots

■ Absolute Maximum Rating (Ta=25℃):

Parameter	Symbol	Condition	Color	Rating	Units
Maximal Power Dissipation	P_d	—	All Color	60	mW
Maximal Forward Current	I_F	—	All Color	20	mA
Derating Of If Per Dot	$\triangle I_F$	Ta≥25℃	All Color	0.3	mA/℃
Peak Forward Current Per Dot	I_{FP}	1/10Duty 10Khz	All Color	100	mA
Reverse Voltage Per Dot	V_R	—		5	V
Operating Temperature Range	Topr	—	—	-35～+85	℃
Storage Temperature Range	Tstg	—	—	-35～+85	℃

■ Electrical/Optical Characteristics Rating(Ta=25℃)

Item	Symbol	Test conditions	Location	Color	Rating			Units
					Min.	Typ.	Max.	
Forward Voltage	V_F	I_F=20mA	Per Dot	Yellow Green	1.7	—	2.5	V
				Red	1.7	—	2.5	
Reverse Current	I_R	V_R=5V	Per Dot	All Color	—	—	100	μA
Luminance	IV	I_F=10mA	Per Dot	Yellow Green	—	8	—	mcd
				Red	—	3	—	
Wave Length	λ_d	I_F=20mA	Per Dot	Yellow Green	567	571	576	nm
	λ_d			Red	627	630	633	
Spectral Line Half Width	$\triangle\lambda$	I_F=20mA	Per Dot	Yellow Green	—	30	—	nm
				Red	—	30	—	
Luminance Matching Ratio (Dot to Dot)	I_{v-m}	I_F=10mA					2:1	