

GL107M1 2

7-Dots Array LED, Dichromatic
(4 yellow-green dots and 3 red dots)

Model No.

GL107M12	Yellow-green	GaP
	Red	GaP

- Features
1. Radiation shape per dots $2.0 \times 4.5\text{mm}$

2. Outline dimensions $6.0 \times 42.0\text{mm}$

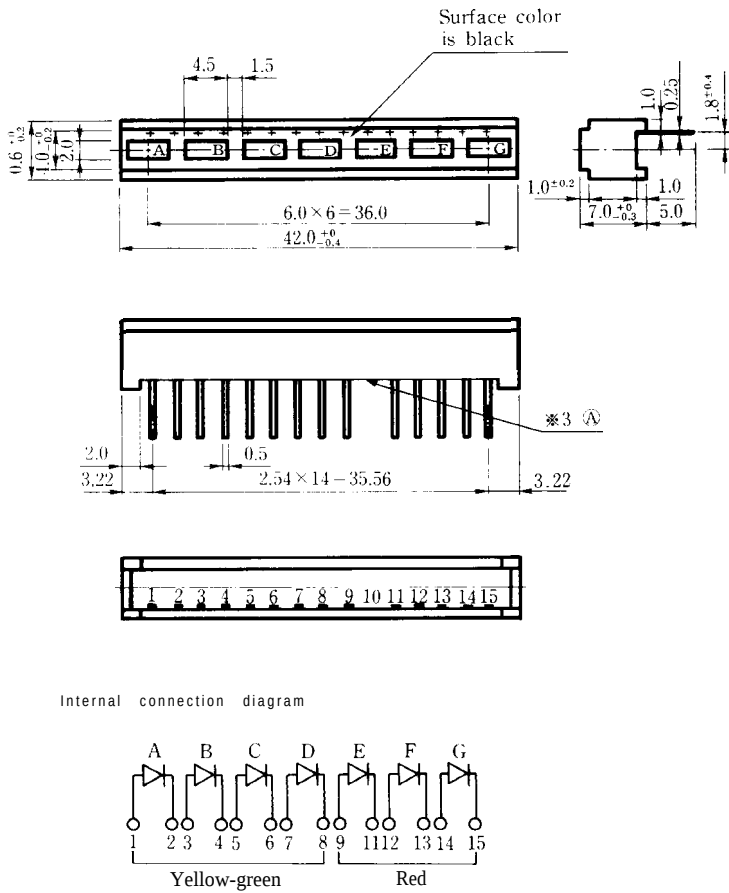
3. 7 dots case mold type

4. Yellow-green : 4 dots

5. Red : 3 dots

Outline Dimensions

(Unit: mm)



[Unspecified tolerance : $\pm 0.3\text{mm}$]

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■ Absolute Maximum Ratings ※1

(Ta=25°C)

Parameter	Symbol	GL107M12				Unit
		Yellow-green	Red			
Power dissipation	P	38	25			mW
Continuous forward current	I _F	15	10			mA
※2 Peak forward current	I _{FM}	50	50			mA
Derating factor	DC	0.27	0.18			mA/°C
	Pulse	- 091	091			mA/°C
Reverse voltage	V _R	5	5			V
Operating temperature	T _{opr}	-20 to +70				°C
Storage temperature	T _{stg}	-30 to +80				°C
※3 Soldering temperature	T _{sol}	260 (within 5 seconds)				°C

※1 Per dot

※2 Duty ratio = 1/10, Pulse width = 0.1ms

※3 At the position of 2.6 mm from (A) level of outline dimensions

GL107M1 2(Yellow-green/Red)

■ Electro-optical Characteristics ※1 (Ta=25°C)

Parameter	Symbol	Radiation color	Conditions	MIN.	TYP.	MAX.	Unit
Forward voltage	VF	Yellow-green	IF=10mA	—	2.0	2.5	V
		Red	IF=5mA	—	1.9	2.5	
※4 Luminous intensity	IV	Yellow-green	IF=10mA	0.2	0.5	—	mcd
		Red	IF=5mA	0.15	0.3	—	
Peak emission wavelength	λp	Yellow-green	IF=10mA	—	565	—	nm
		Red	IF=5mA	—	695	—	
Spectrum radiation bandwidth	Δλ	Yellow-green	IF=10mA	—	30	—	nm
		Red	IF=5mA	—	100	—	
Reverse current	IR	Yellow-green	VR=4V	—	—	10	μA
		Red	VR=4V	—	—	10	
Response frequency	fc	Yellow-green	—	—	4	—	MHz
		Red	—	—	4	—	

※1 Per dot

※4 Tolerance: ±30%

■ Characteristics Diagrams

