

3×3.5MM / 6×7 / 1.1 INCH (27MM) YELLOW GREEN MATRIX

A-1067BYG

FEATURES

- ※ 1.1 inch (27.0mm) matrix height.
- ※ Low power requirement, solid state reliability.
- ※ Multicolor available, stackable horizontally.
- ※ Categorized for luminous intensity.
- ※ Easy mounting on P.C. boards.
- ※ Remain within RoHS compliant version.

APPLICATION

- ※ Digital readout display
- ※ Instrument panels
- ※ Elevator
- ※ Audio equipment

Ordering Information

Part Number	Emission Color	Face Color	Bin Code	Luminous Intensity IV (μ cd) (IF=10mA)		
				Min.	Typ.	Max.
A-1067BYG	Yellow Green	Black	R	13500	15524	17549
			S	17550	21937	26325
			T	26326	32907	39489

Maximum Ratings

Parameter	Symbol	Value	Unit
Operating temperature	T _{OP}	-35 ~ 85	°C
Storage temperature	T _{STG}	-35 ~ 85	°C
Forward current (T _A =25 °C)	I _F	30	mA per seg
Peak forward current (T _A =25 °C) * ¹	I _{PF}	120	mA per seg
Reverse voltage (T _A =25 °C)	V _R	5	V per seg
Power consumption (T _A =25 °C)	P	80	mW per seg

*1 at 1/10 Duty Cycle

Electrical / Optical Characteristics (1)(T_A = 25 °C)

Parameter	Symbol	Value	Unit
Wavelength at peak emission (Typ.)	λ _P	570	nm
Dominant wavelength (Typ.) IF = 20mA	λ _D	-	nm
Spectral bandwidth at 50% (Typ.) IF = 20mA	Δλ	20	nm
Viewing angle at 50% (Typ.) IF = 20mA	2θ _{1/2}	-	degree
Forward voltage IF = 20mA	(Min.)	V _F	1.9
	(Typ.)	V _F	2.1
	(Max.)	V _F	2.5
Reverse current VR = 5V	(Max.)	I _R	20
Optical efficiency IF = 20mA	(Typ.)	η _{OPT}	-
			lm/W

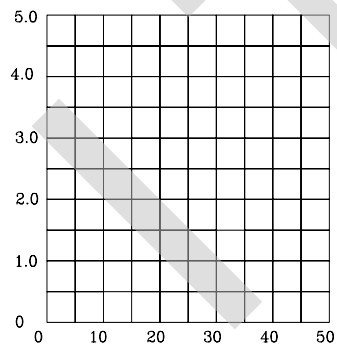
Luminous Intensity Bin Groups(T_A = 25 °C & I_F = 10 mA)

Bin Code	Luminous Intensity I _v (μcd)		
	Min.	Typ.	Max.
R	13500	15524	17549
S	17550	21937	26325
T	26326	32907	39489

Electrical/Optical Charateristic (2)

Yellow Green

15
10



Relative Luminous Intensity

Ambient Temper

Ambient Temperature T_a (°C)