


5x7 DOT Matrix blau

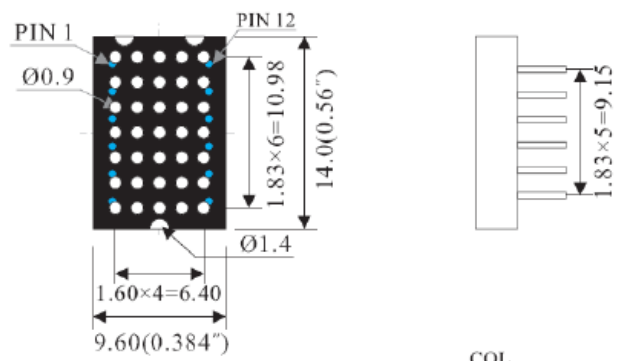
P/N: C03571-M-BL-0-W-BS

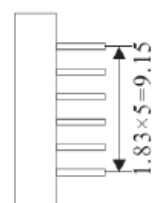
Custom Design Series

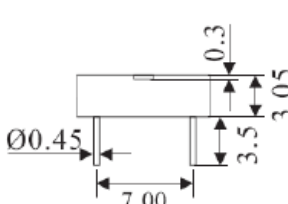
PACKAGE DIMENSION



Pb-free







ROW	1	2	3	4	5
1	●	●	●	●	●
2	●	●	●	●	●
3	●	●	●	●	●
4	●	●	●	●	●
5	●	●	●	●	●
6	●	●	●	●	●
7	●	●	●	●	●

INTERNAL CIRCUIT DIAGRAM

ROW	PIN NO.	COL. 1	COL. 2	COL. 3	COL. 4	COL. 5
1	①	②	③	④	⑤	⑦
2	⑫	②	③	④	⑤	⑦
3	⑪	②	③	④	⑤	⑦
4	⑩	②	③	④	⑤	⑦
5	⑨	②	③	④	⑤	⑦
6	⑧	②	③	④	⑤	⑦
7	⑥	②	③	④	⑤	⑦

CODE M

NOTES:

- All dimensions are in millimeter(inch);
- Tolerance is $\pm 0.25\text{mm}(0.01")$ especially other specified;
- Pin length, housing color, marking no & circuit diagram can be customized;
- Specifications are subject to change without notice.

Chip Material: InGaN Blue LED Chip

**ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)**

PARAMETER	SYMBOL	MAXIMUM RATING	UNIT
Power Dissipation	P _D	96	mW
Peak Forward Current (1/10 Duty Cycle, 0.1 Ms Pulse Width)	I _{PEAK}	100	mA
DC Forward Current	I _F	30	mA
Reverse Voltage	V _R	5	V
Operating Temperature Range	T _A	-40°C to +85°C	
Storage Temperature Range	T _{STG}	-40°C to +85°C	

Solder temperature 1/16 inch below seating plane for 3 seconds at 260°C

ELECTRICAL OPTICAL CHARACTER AND CURVES (Ta = 25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	LOCATION	TEST CONDITION
Forward Voltage	V _F	-	3.00	3.20	V	Per Segment	I _F = 20mA
Luminous Intensity	I _v	42.0	46.0	50.0	mcd	Per Segment	I _F = 20mA
Peak Emission Wavelength	λ _p	-	472	-	nm	Per Segment	I _F = 20mA
Dominant Emission Wavelength	λ _d	465	470	475	nm	Per Segment	I _F = 20mA
Spectral Line Half-Width	Δλ _{1/2}	-	25	-	nm	Per Segment	I _F = 20mA
Capacitance	C	-	100	-	pF	Per Segment	V _F = 0V; f = 1MHz
Reverse Current	I _R	-	-	10	uA	Per Segment	V _R = 5V

Note:

1. Luminous intensity tolerance is ±10%;
2. Dominant Emission Wavelength tolerance is ±5%.

■ Typical Electro-Optical Characteristic Curve:

FIG. 1 Forward Current Vs. Forward Voltage

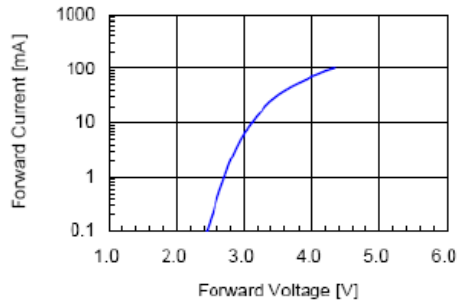


FIG. 2 Relative Intensity Vs. Forward Current

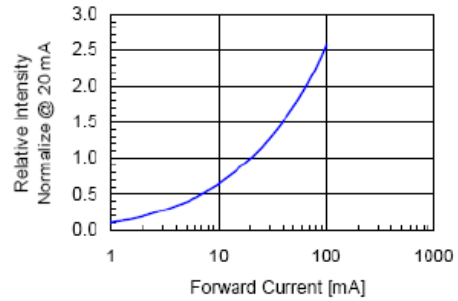


FIG. 3 Forward Voltage Vs. Temperature

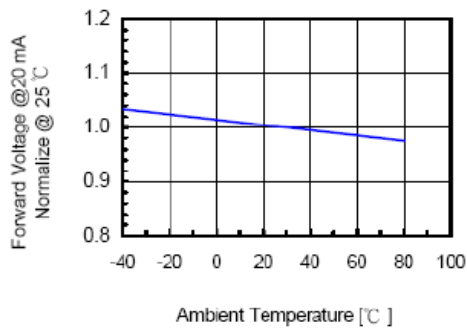


FIG. 4 Relative Intensity Vs. Temperature

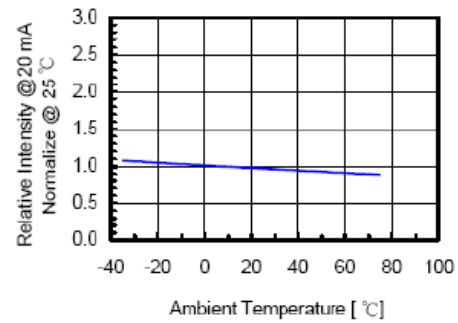


FIG. 5 Relative Intensity Vs. Wavelength

