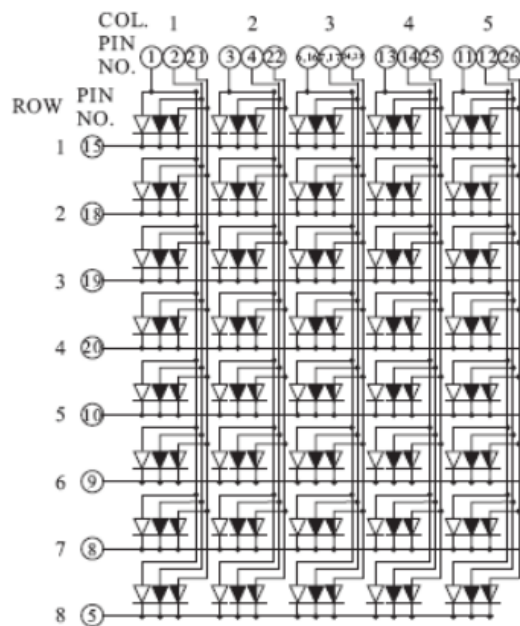


CODEN



CODE M



Notes:

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



Chip Material: Red (AlGaInP) + Pure green (GaN) + Blue (GaN)

Parameter	Symbol	Maximum Rating			Unit
		R	G	B	
Power Dissipation	PD	55	102	102	mW
Peak Forward Current (1/10 Duty Cycle, 0.1 Ms Pulse Width)	IPEAK	40	80	40	mA
DC Forward Current	IF	25	30	30	mA
Reverse Voltage	VR		5		V
Operating Temperature Range	TA				-40°C to +85°C
Storage Temperature Range	TSTG				-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	Typ.			Max.			Unit	Location	Test Condition
		R	G	B	R	G	B			
Forward Voltage	VF	2.0	3.1	3.1	2.2	3.4	3.4	V	Per Chip	IF =20mA
Luminous Intensity	IV	80	220	75	100	240	80	mcd	Per Chip	IF =20mA
Peak Emission Wavelength	λ_p	630	520	475	-	-	-	nm	Per Chip	IF =20mA
Dominant Emission Wavelength	λ_d	623	510	470	625	515	472	nm	Per Chip	IF =20mA
Spectral Line Half-Width	$\Delta\lambda_{1/2}$	20	30	30	-	-	-	nm	Per Chip	IF =20mA
Capacitance	C							pF	Per Chip	VF=0V;f=1MHz
Reverse Current	IR	-	-	-	2	2	2	uA	Per Chip	VR = 5V

Note:

Luminous intensity tolerance is $\pm 10\%$;Dominant Emission Wavelength tolerance is $\pm 5\%$.