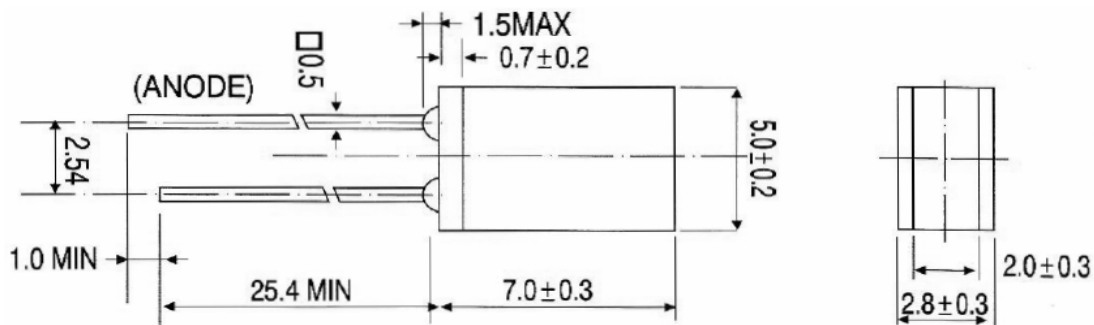




Applications

- Electronic Signs and Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

Technical Drawing



Notes :

All dimensions in mm tolerance is $\pm 0.1\text{mm}$ unless otherwise noted.

Rectangular LED Green	
Part No.:	M13D1018
Customer:	

DRW:	Dong	CHKD	Chang	MATL:	Chui	DATE	28.06.2010
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Absolute Maximum Ratings

Item	Symbol	InGaN	Unit
Power Dissipation	P_D	140	mW
DC Forward Current	I_F	30	mA
Pulsed Forward Current	I_{FP}^*	70	mA
Reverse Voltage	V_R	5	V
Operating Temperature	T_{OP}	-40 to 80	°C
Storage Temperature	T_{ST}	-40 to 100	°C

* 0.1 msec pulse, 10% duty cycle

Electrical / Optical Characteristics

Ermitting Color	Green		
Material	InGaN		
Forward Voltage	typ.	2.9	V_F
	max.	3.3	V_F
Wavelength typ.	λ_D	520	nm
	λ_P	535	nm
	$\Delta\lambda$	---	nm
Color Temperature	min.	---	K
	max.	---	K
Luminous Intensity *	min.	1000	mcd
	typ.	1500	mcd
Reverse Current	max.	---	μA
Viewing Angle	$2\theta_{1/2}$	80	

* Per NIST standards

**Rectangular LED
Green**

Part No.: **M13D1018**

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Directive Characteristics

**Rectangular LED
Green**

Part No.: **M13D1018**

Customer:

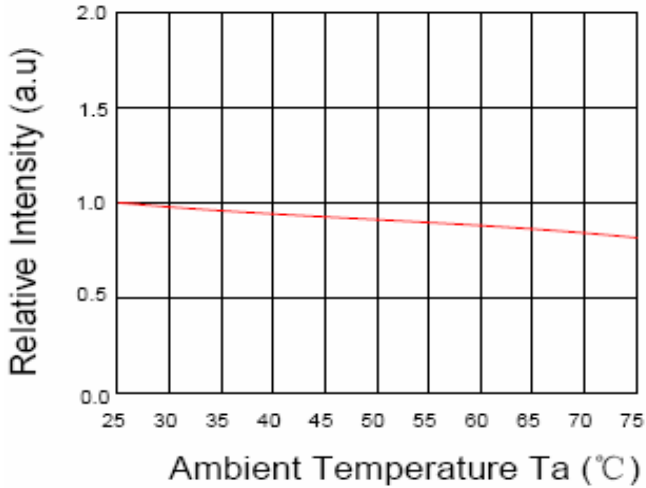
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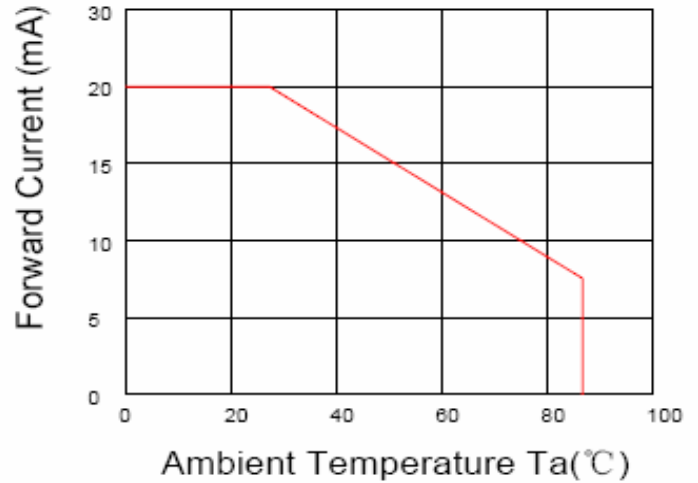


Curve

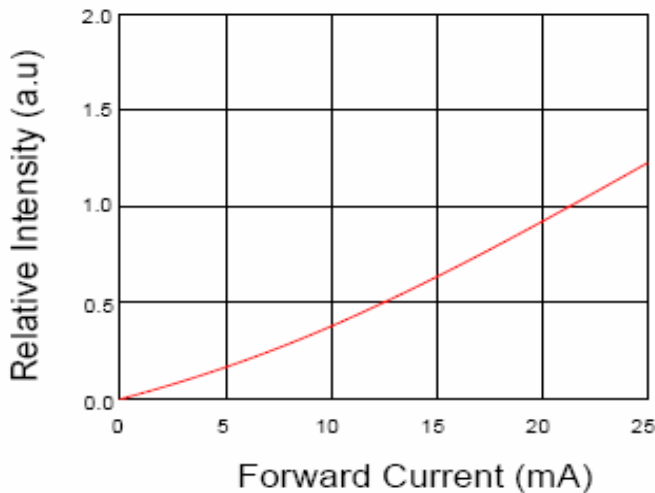
Relative Intensity VS. Ambient Temp



Forward Current VS. Ambient Temp



Forward Current VS. Relative Intensity



**Rectangular LED
 Green**

Part No.: **M13D1018**

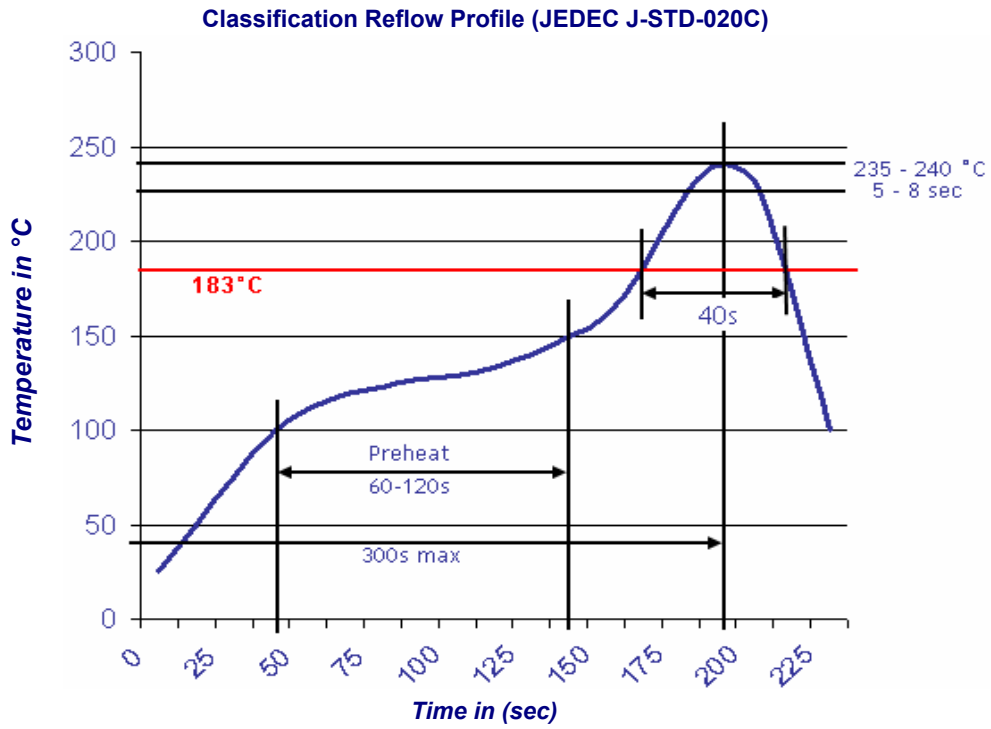
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Solder Condition

Lead Free Solder



Rectangular LED Green	
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Color table curve



Rectangular LED Green	
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