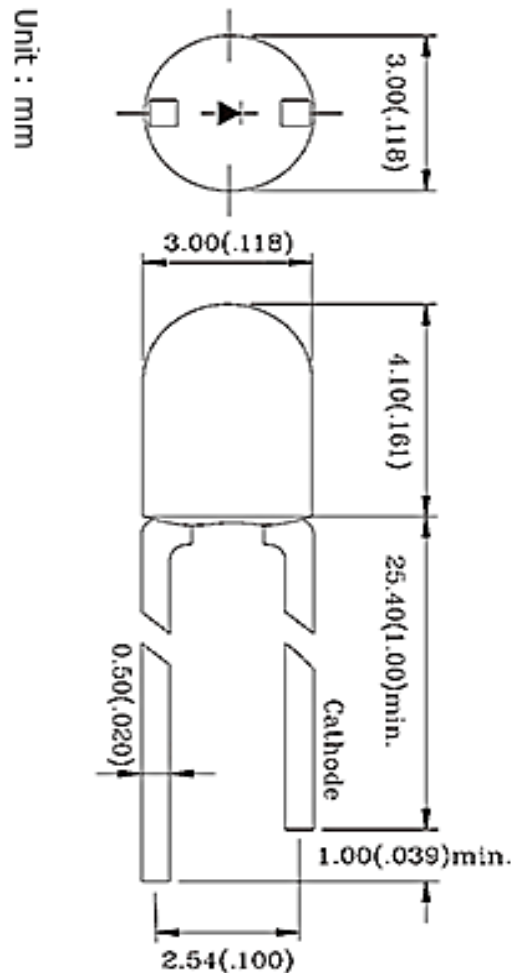




### Applications

- Interior automotive lighting(dashboard backlight etc...)
- Optical indicators
- High Tech Lightning
- Security Parts
- Automotive Products

### Technical Dimensions



#### Notes:

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

**3mm LED Type= Flangeless**

Part No.: **M13G7003**

Customer:

DRW:	Harry	CHKD	Dustin	MATL	Wilson	TOLERANCE	Mason	Date:27.01.2020
APPD:	Jason			FINISH	John		Sheet No.	1 from 5

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### Absolute Maximum Ratings (Ta = 25°C)

Item-Discription	Symbol	Value	Unit
DC Forward Current	If	30	mA
Pulse Forward Current	Ifp	100	mA
Reverse Voltage	Vr	5	V
Power Dissipation	Rd	120	mW
Operating Temperature	Topr	-.30 ~ +85	°C
Storage Temperature	Tstg	-.40 ~ +100	°C
Lead Soldering Temp.	Tsol	260°C/ 5sec.	--

### Typical Electrical & Optical Characteristics ( IF=20mA and Ta = 25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	Vf	IF=20mA	3,0		3,2	V
Domi. Wavelength	D	IF=20mA	520		525	nm
Wavelength (Kelvin)						K
Luminious Intensity	Iv	IF=20mA	1000		1200	mcd
50% Power Angle	20 1/2	IF=20mA				deg
DC Forward Current:				20		mA
Viewing Angle:				30		°
Lens Colour	Diffus					

### Ordering Informations

Part-No	Lead Length	Special function	Special Function	ROHS	Packing	
<b>M13G7003</b>	-	<b>A1</b>	<b>N</b>	<b>N</b>	<b>R</b>	<b>BU</b>

<b>A1=</b> 19mm	<b>N=</b> No Special	<b>N=</b> No Special function	<b>R=</b> ROHS Conform	<b>BU=</b> Bulk-Ware
<b>A2=</b> 25,4mm			<b>N=</b> NON ROHS	<b>TR=</b> Tape/Reel
<b>A4=</b> Cutted 4mm				

**3mm LED Type= Flangeless**

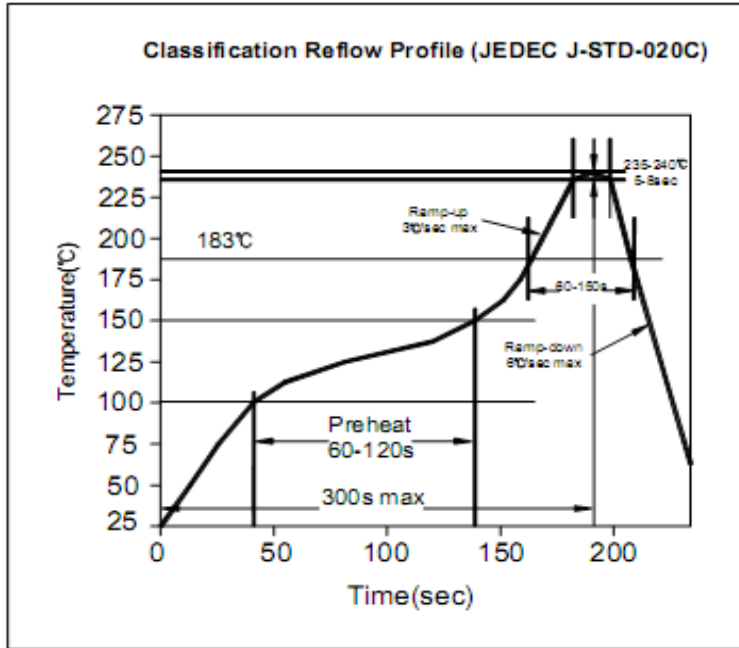
#### Notes:

1. Tolerance of measurement of luminous intensity	: ±15%	Part No.:	<b>M13G7003</b>
2. Tolerance of measurement of chromatic coordinates	: ±1nm	Customer:	
3. Tolerance of measurement of forward voltage	: ±0.1V		
DRW: Harry CHKD Dustin MATL Wilson	TOLERANCE	Mason	Date:27.01.2020
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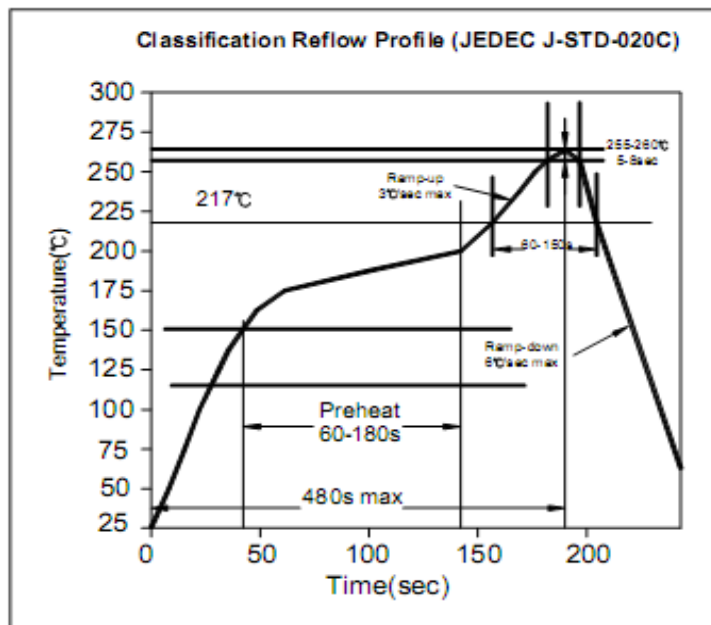


**Soldering condition**

**Lead solder**



**Lead free solder**



**3mm LED Type= Flangeless**

Part No.: **M13G7003**

Customer:

DRW:	Harry	CHKD	Dustin	MATL	Wilson	TOLERANCE	Mason	Date:27.01.2020
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**Packing Specification**

Antistatic Polybag

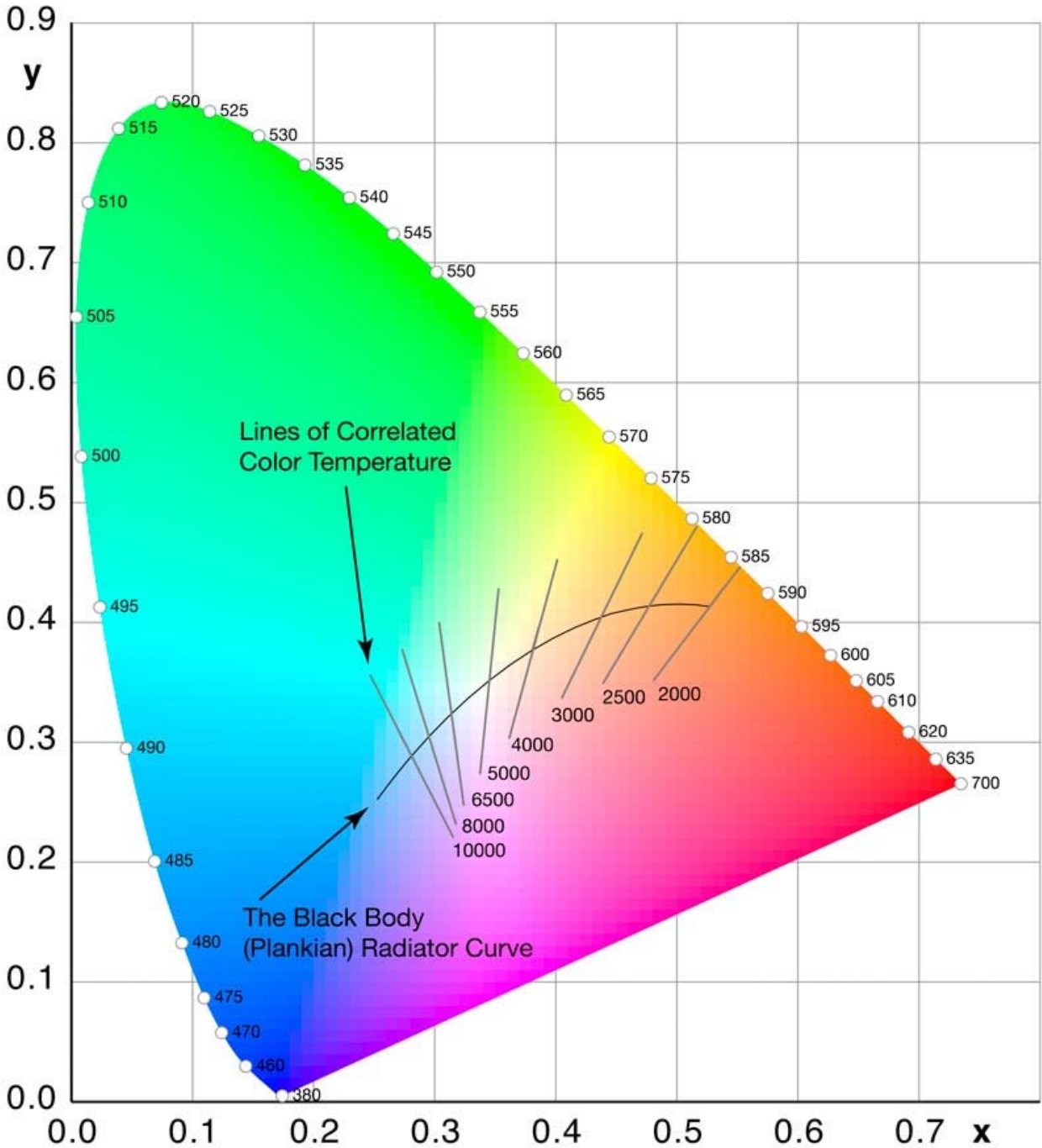


<b>3mm LED Type= Flangeless</b>	
Part No.:	<b>M13G7003</b>
Customer:	

DRW:	Harry	CHKD	Dustin	MATL	Wilson	TOLERANCE	Mason	Date:27.01.2020
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**Color table curve**



**3mm LED Type= Flangeless**

Part No.: **M13G7003**

Customer:

DRW:	Harry	CHKD	Dustin	MATL	Wilson	TOLERANCE	Mason	Date:27.01.2020
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