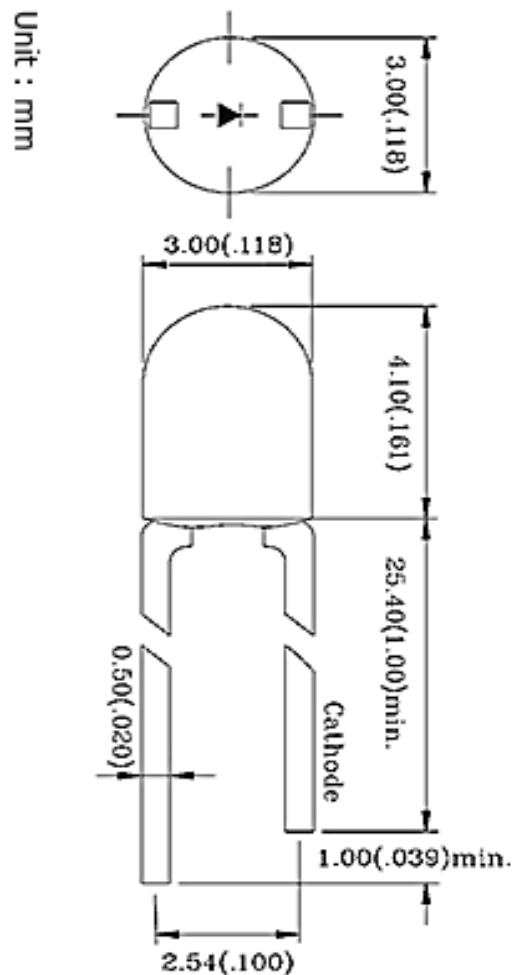




Applications

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

Technical Dimensions



Notes:

All dimensions in mm tolerance is ± 0.1 mm unless otherwise noted.

3mm LED Type= Flangeless

Part No.: **M13G7009**

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				nm
Wavelength (Kelvin)			2800		3000	K
Luminious Intensity	Iv	IF=20mA	150		170	mcd
50% Power Angle	20 1/2	IF=20mA				deg
DC Forward Current:				20		mA
Viewing Angle:				30		°
Lens Colour	Clear					

Ordering Informations

Part-No	Lead Length	Special function	Special Function	ROHS	Packing	
M13G7009	-	A1	N	N	R	BU

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

3mm LED Type= Flangeless

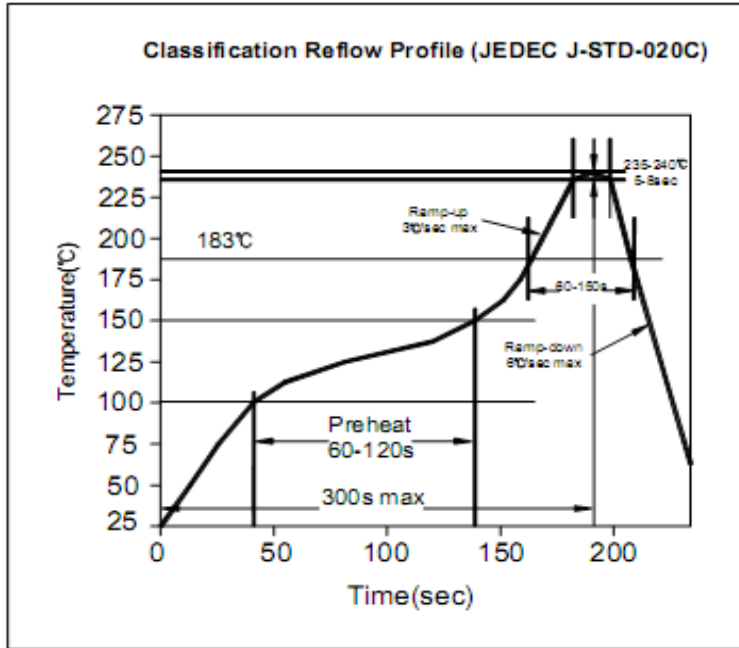
Notes:

1. Tolerance of measurement of luminous intensity	: ±15%	Part No.:	M13G7009
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
APPD: Jason	FINISH John	Sheet No.	2 from 5

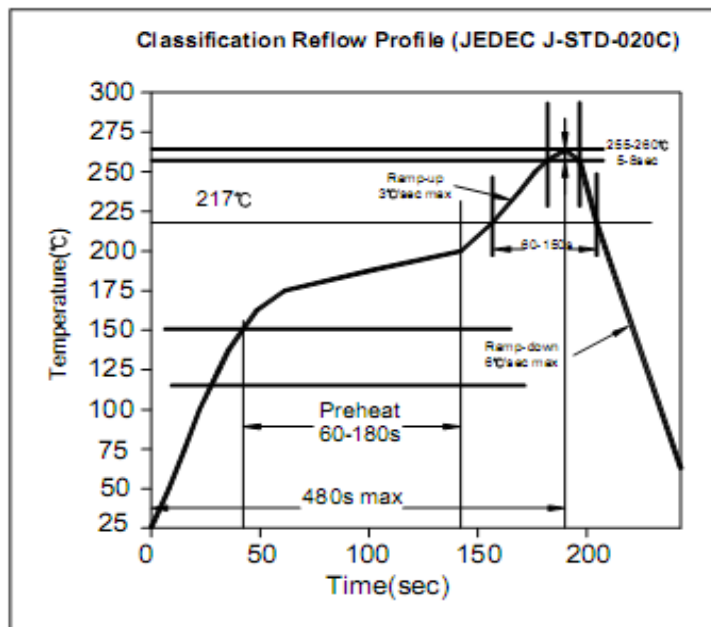


Soldering condition

Lead solder



Lead free solder



3mm LED Type= Flangeless

Part No.: **M13G7009**

Customer:

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

Antistatic Polybag

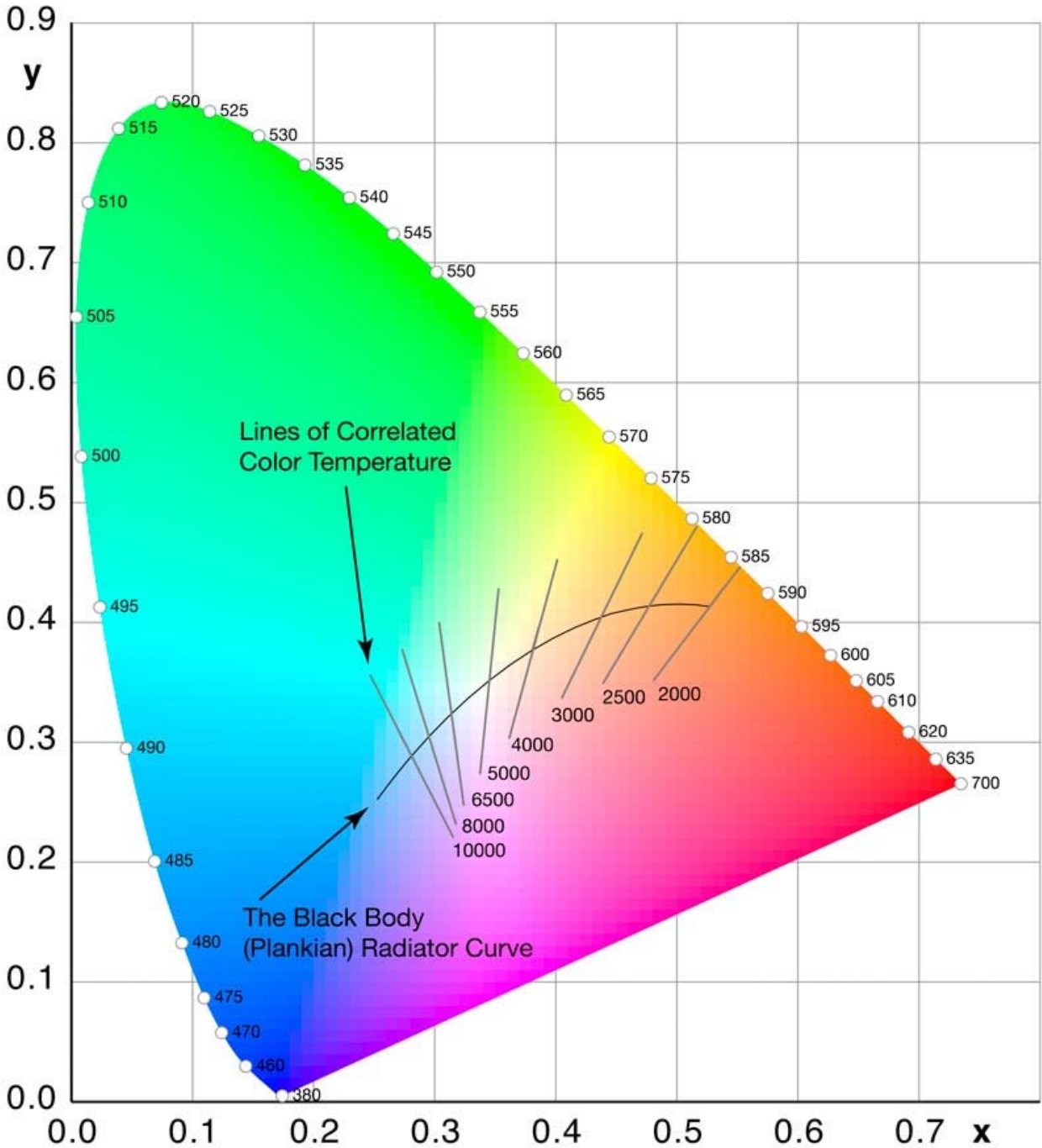


3mm LED Type= Flangeless	
Part No.:	M13G7009
Customer:	

DRW:	Harry	CHKD	Dustin	MATL	Wilson	TOLERANCE	Mason	Date:27.01.2020
APPD:	Jason			FINISH	John		Sheet No.	4 from 5



Color table curve



3mm LED Type= Flangeless

Part No.: **M13G7009**

Customer:

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

