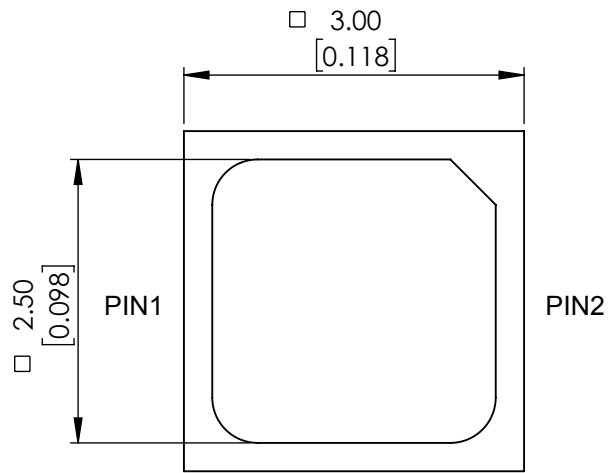
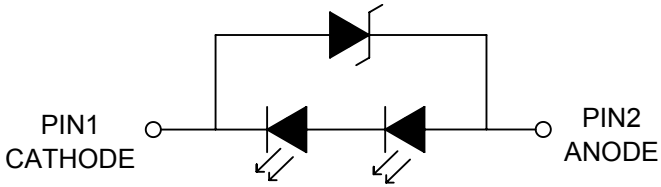


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REV	E.C.N UNMBER AND REVISION COMMENTS			DATE
A	ECN-Lumex201700039			07.27.17



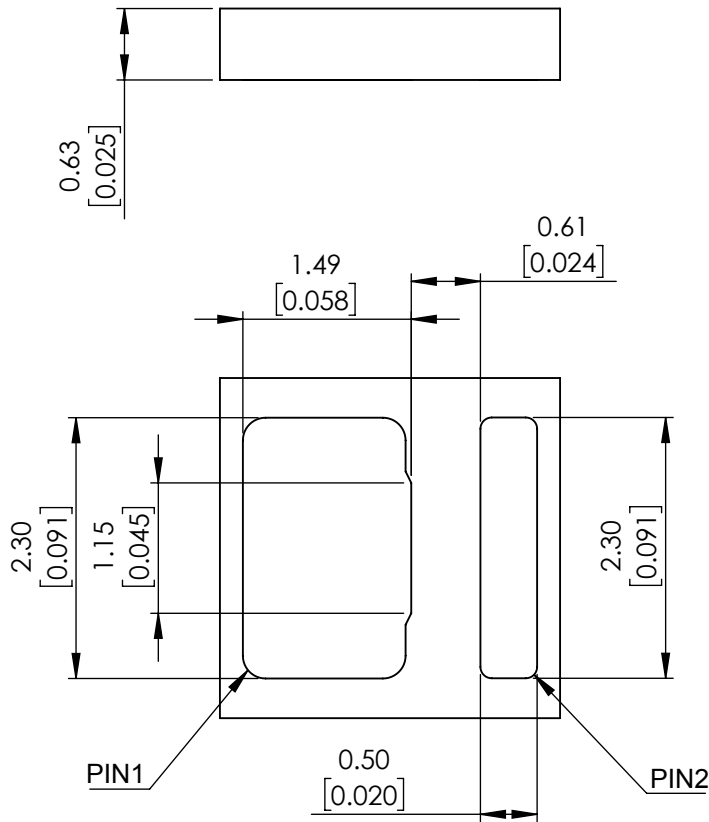
POLARITY



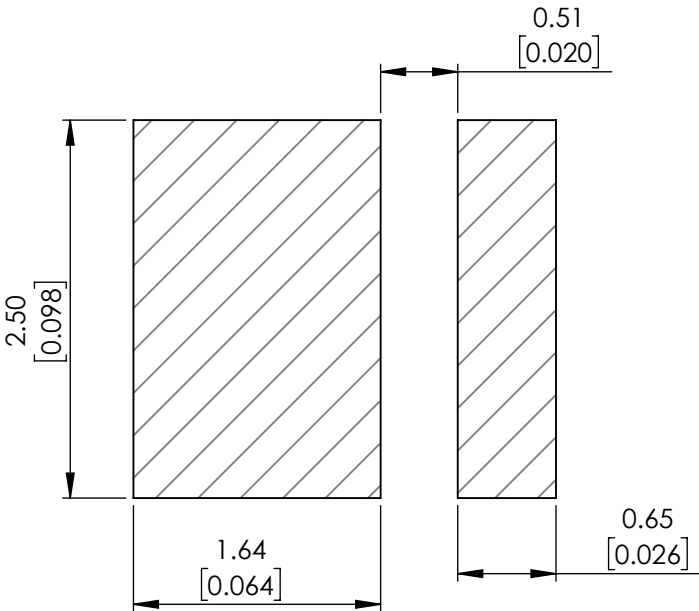
ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAELENGHT	5.8	-	7.0	Vf	If=150mA
LUMINOUS FLUX	100	110	-	lm	If=150mA
COLOR TEMP.	5310	-	6020	K	If=150mA
CRI	-	80	-	-	-
EMITTED COLOR	COOL WHITE				
EPOXY LENS FINISH	WATER CLEAR				

*THE ICI STANDARD COLORIMETRIC SYSTEM



RECOMMENDED SOLDER PAD LAYOUT



ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT(G/R)*	300	mA
FORWARD CURRENT(G/R)	240	mA
POWER DISIPATION(G/R)	1	W
THERMAL RESISTANCE	15	°C/W
MAX JUNCTION TEMP.	115	°C
STORAGE TEMPERATURE	-40 TO +100	°C
OPERATING TEMPERATURE	-40 TO +85	°C

*t<10us

NOTE:
1. RoHS COMPLIANT.

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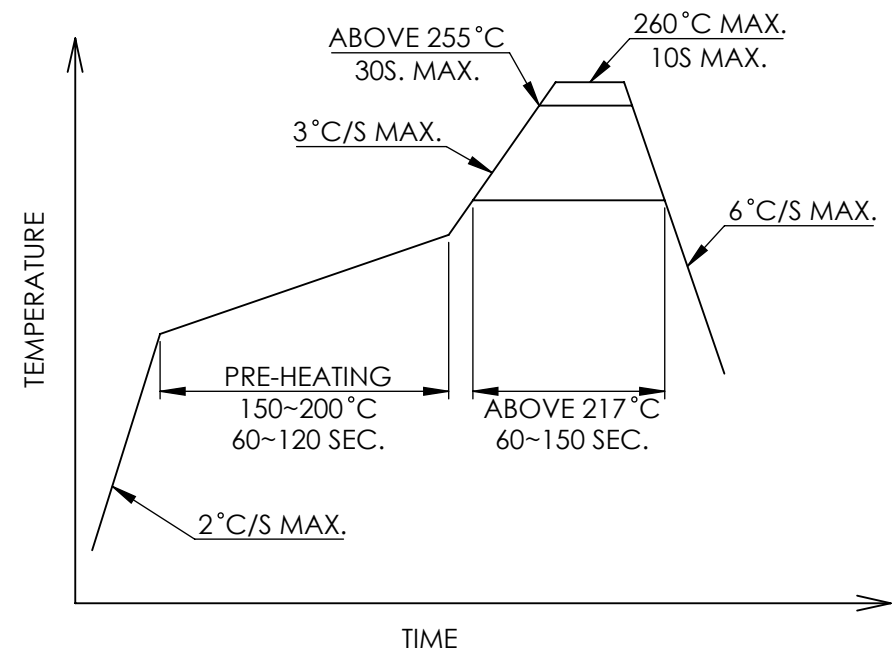
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CAROL STREAM, IL 60188
PHONE : 800-278-5666
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WEB : WWW.LUMEX.COM

3(L)*3(W)*0.63(H)mm, 1.0W SMD LED, COOL WHITE, WATER CLEAR, TAPE AND REEL.
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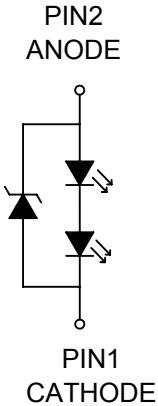
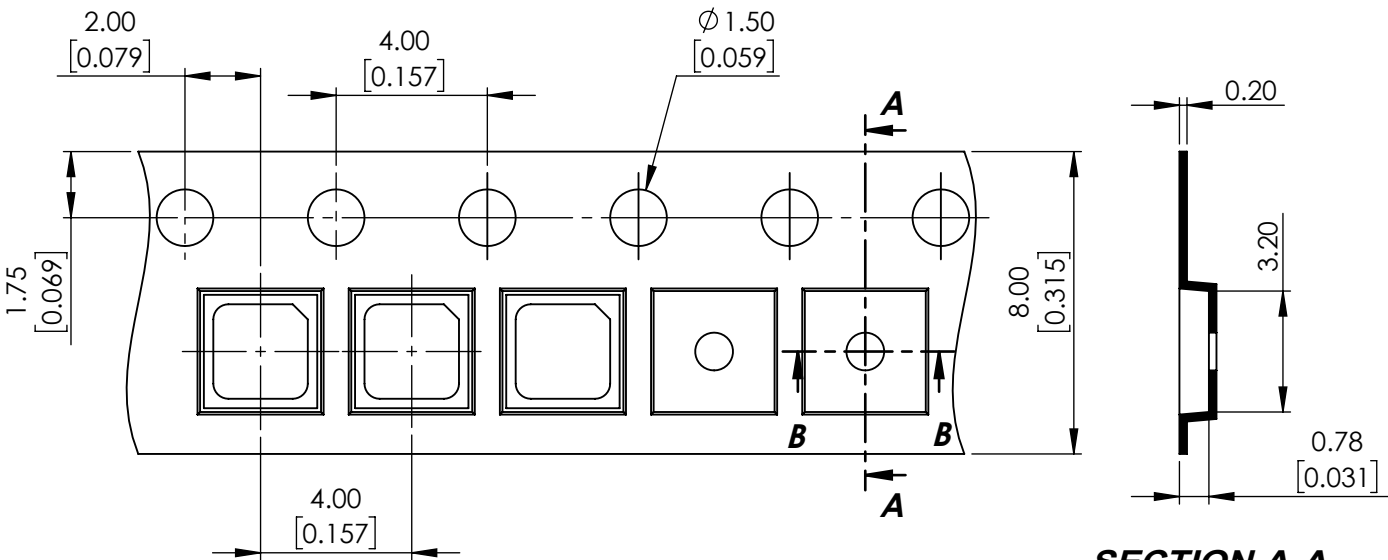
DATE : 2017.07.28	DRAWN BY : C.C.
PAGE : 1 OF 4	CHKD BY : G.Y.
SCALE : NTF	APRVD BY : E.C.
UNIT : mm [INCH]	Ⓢ

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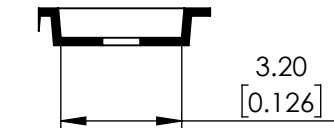
PROFILE



CARRIER TAPE DIMENSION



SECTION A-A



SECTION B-B

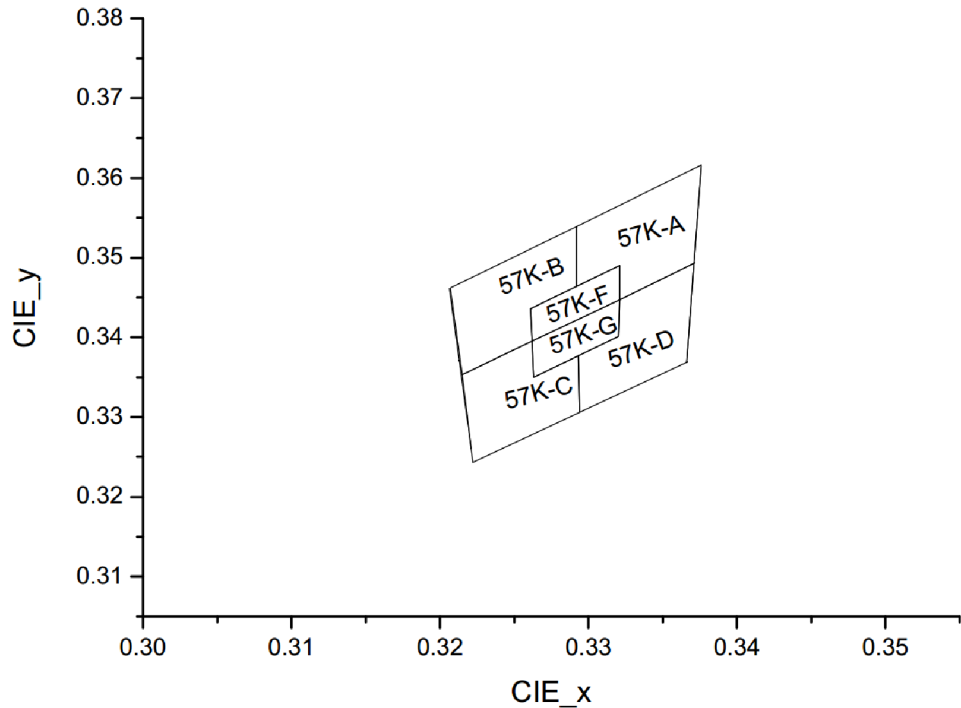
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Reference Optic-Electrical Characteristic: Cool White LEDs

Typ. Luminous Flux (lm)	CCT (K) Wavelength (nm)	Forward Voltage (V)	Current (mA)	CRI (Min.)
51	5310-6020K	5.8 ~ 7.0	65	80
77			100	
94			125	
110			150	
131			175	
140			200	

Cool-White Bin Structure



Cool-White Bin Coordinates

Bin	CIE X	CIE Y
57K-A	0.3376	0.3616
	0.3292	0.3539
	0.3292	0.3464
	0.3321	0.3490
	0.3321	0.3447
	0.3371	0.3493
Reference Range: 5310~5700K		

Bin	CIE X	CIE Y
57K-B	0.3292	0.3539
	0.3207	0.3462
	0.3215	0.3353
	0.3262	0.3395
	0.3261	0.3436
	0.3292	0.3464
Reference Range: 5700~6020K		

Bin	CIE X	CIE Y
57K-C	0.3215	0.3353
	0.3222	0.3243
	0.3294	0.3306
	0.3293	0.3377
	0.3263	0.3350
	0.3262	0.3395
Reference Range: 5700~6020K		

Bin	CIE X	CIE Y
57K-D	0.3371	0.3493
	0.3321	0.3447
	0.3320	0.3401
	0.3293	0.3377
	0.3294	0.3306
	0.3366	0.3369
Reference Range: 5310~5700K		

Bin	CIE X	CIE Y
57K-F	0.3321	0.3490
	0.3261	0.3436
	0.3262	0.3395
	0.3321	0.3447
Reference Range: 5510~5780K		

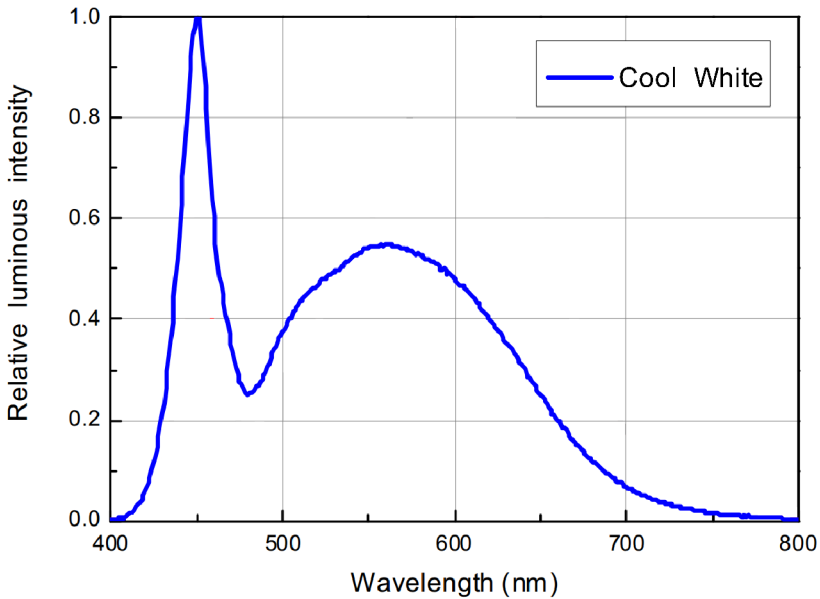
Bin	CIE X	CIE Y
57K-G	0.3321	0.3447
	0.3262	0.3395
	0.3263	0.3350
	0.3320	0.3401
Reference Range: 5510~5780K		

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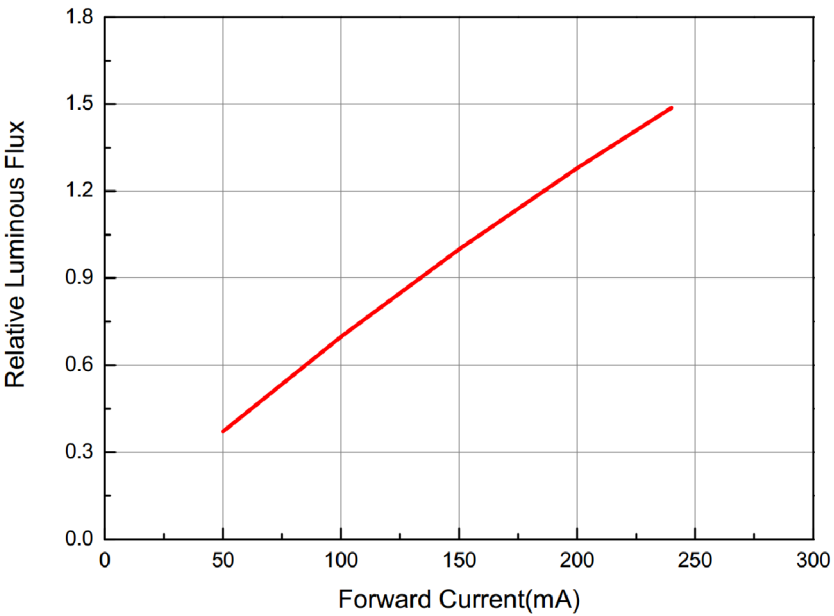
Wavelength Characteristics

For Cool-White, Relative Spectral Distribution
@ Solder Pad Temperature = 25°C

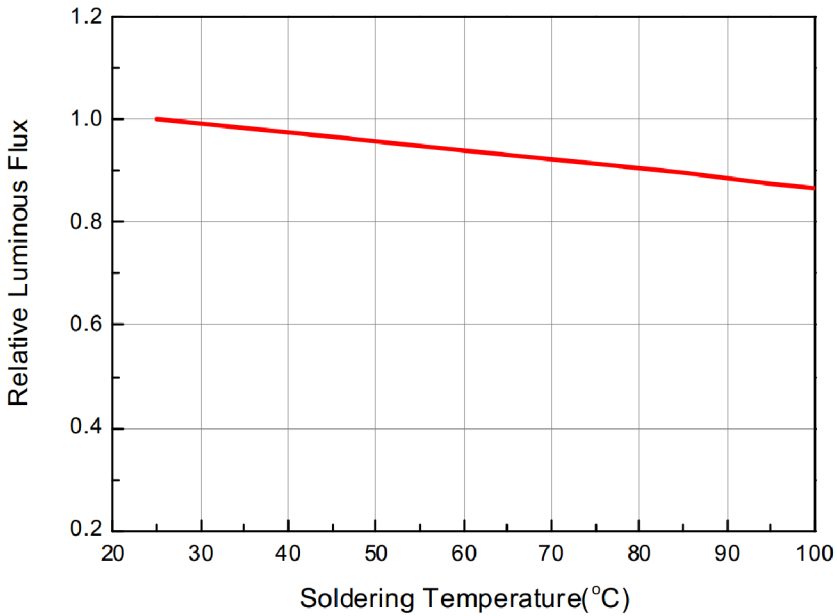


Typical Relative Luminous Flux vs. Forward Current

For Cool-White @ Solder Pad Temperature = 25°C

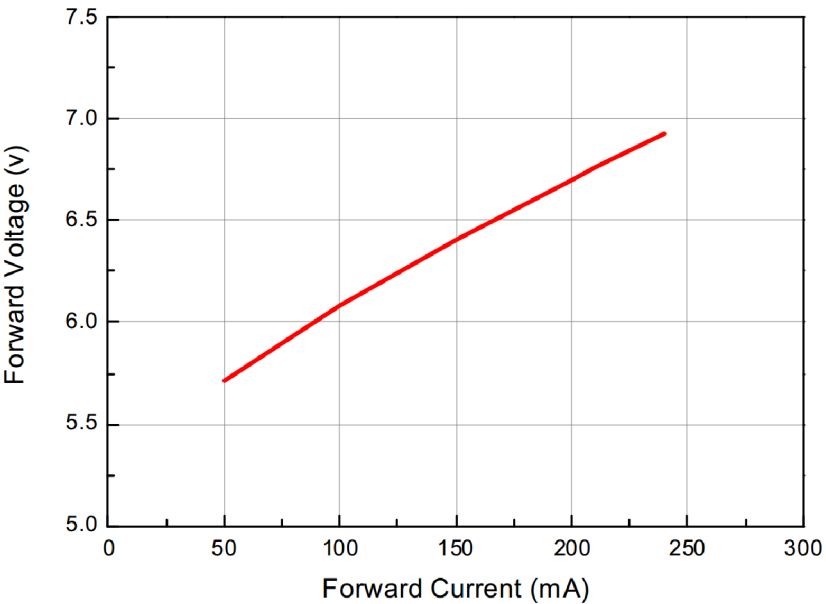


Relative Luminous Flux vs. Soldering Pad Temperature @Forward Current = 150mA



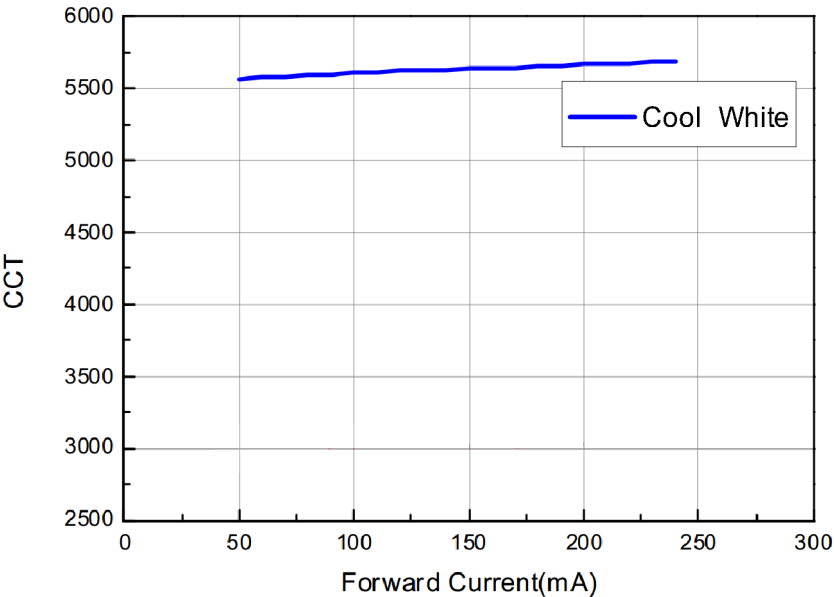
Typical Electrical Characteristics

For Cool-White @ Solder Pad Temperature = 25°C

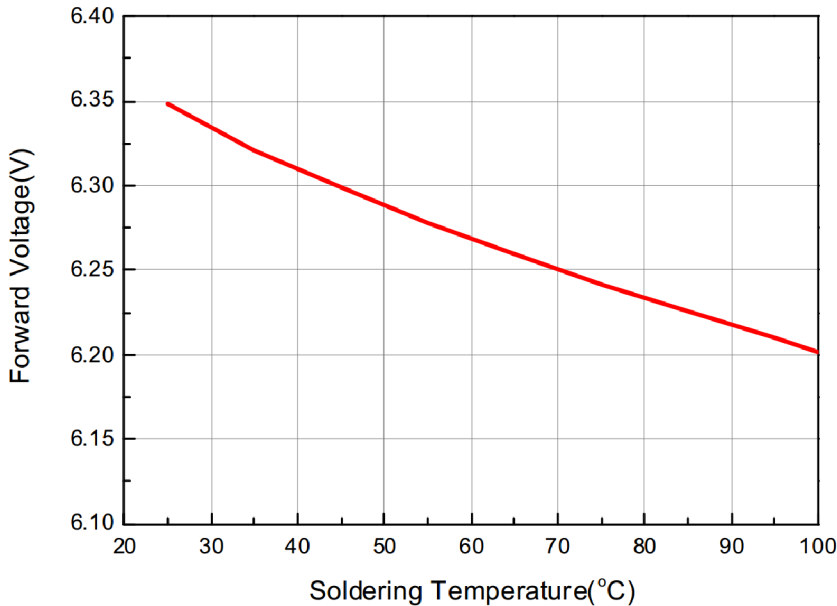


Typical Wavelength & Color Shift Characteristics vs. Forward Current

For Cool-White @ Solder Pad Temperature = 25°C



Forward Voltage vs. Soldering Pad Temperature @ Forward Current = 150mA



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