

BRCG5111 SERIES

LED

EMI

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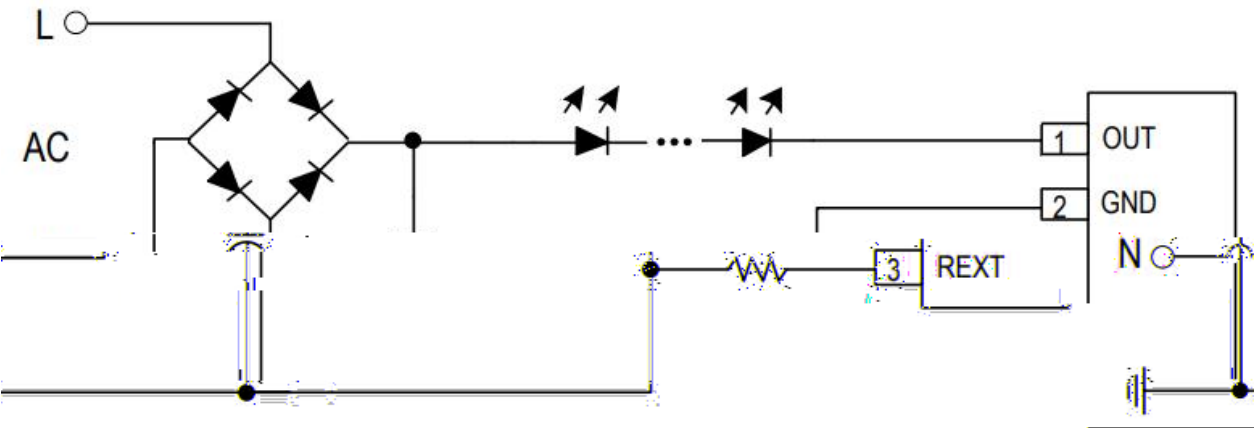
 $\pm 3\%$

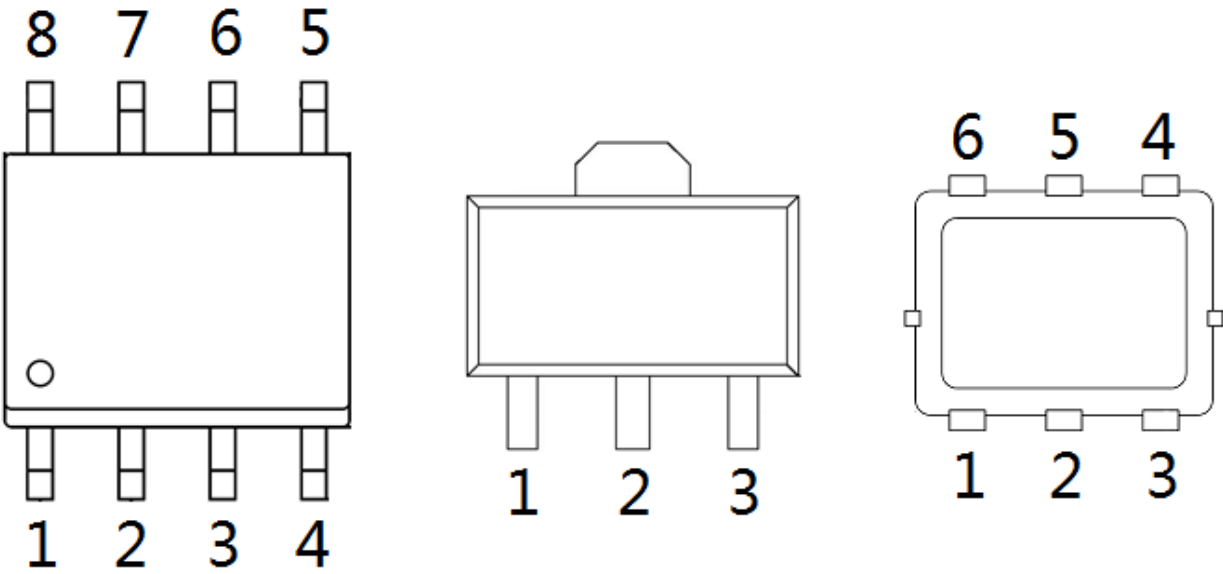
60 mA

BRCG5111 SERIES

- ◆
- ◆
- ◆ LED ESOP-8 SOT-89 60 mA
- ◆
- ◆ $\pm 3\%$ LED
- ◆ EMI
- ◆
- ◆ ESOP-8 SOT-89 PDFN3Ø2-6L

- ◆ LED
- ◆ LED /
- ◆ LED





HVRS0;	VRW0;<	SGIQ6Ø5090		
7	1	5	VOUT	
2	3	3	REXT	
1	2	1	GND	
3,4,5,6,8	/	2,4,6	NC	

BRCG5111 ♪	
	VH HVRS0; WD VRW0;< \W SGIQ6Ø5090

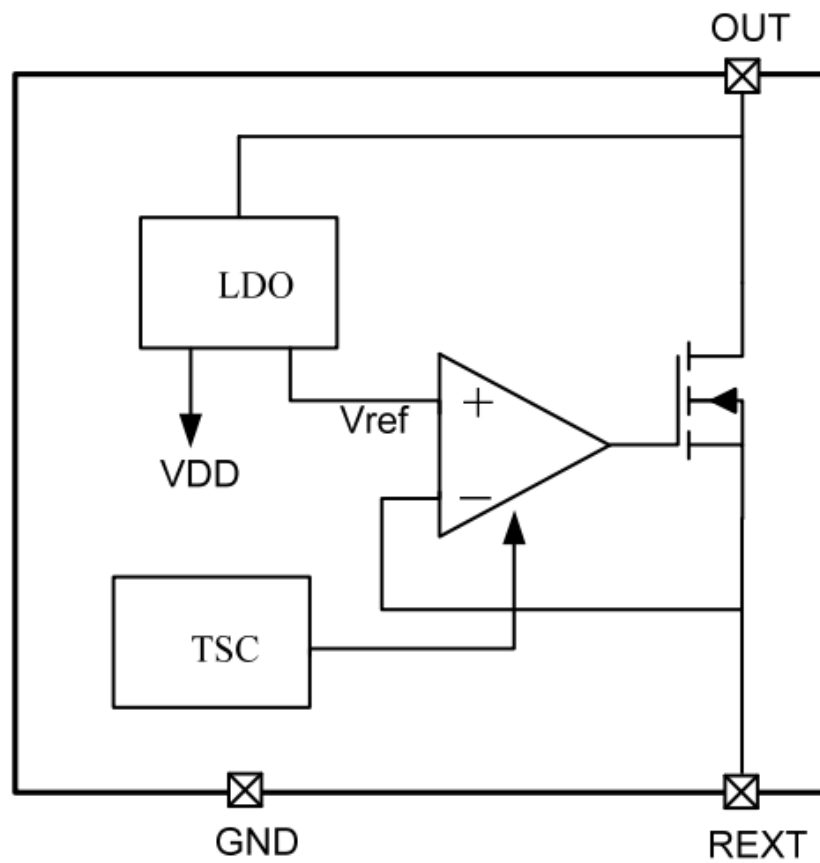
PN	ESOP-8 ¹	θ_{JA}	80	$\frac{3}{8}/W$
PN	SOT-89 ¹	θ_{JA}	100	$\frac{3}{8}/W$
PN	PDFN3Ø2-6L ¹	θ_{JA}	150	$\frac{3}{8}/W$
		T _J	-40~160	$\frac{3}{8}$
		T _{STG}	-65~150	$\frac{3}{8}$
	²	ESD	2	KV

1 PCB 20Z 2Inch² 8
 2 100pF 1.5KΩ

I _{LED}	ESOP-8 & SOT-89	220Vac	<60 mA
I _{LED}	PDFN302-6L	220Vac	<40 mA

OUT	V_{OUT_MIN}	$I_{OUT} = 30mA$			6.5	V
OUT	V_{OUT_BV}	$I_{OUT} = 0$	500			V
	I_{DD}	$V_{OUT} = 10V$ REXT		80	150	μA
	I_{OUT}	ESOP-8 & SOT-89	5		60	mA
	I_{OUT}	PDFN3 $\emptyset$ 2-6L	5		40	mA
REXT	V_{REXT}	$V_{OUT} = 10V$	582	600	618	mV
I_{OUT}	dI_{OUT}	$I_{OUT} = 20mA$		3		%
	T_{SC}			150		$\frac{3}{\%}$

/ Functionl Block Diagram



/ Functional Description

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OUT

OUT

GND

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REXT

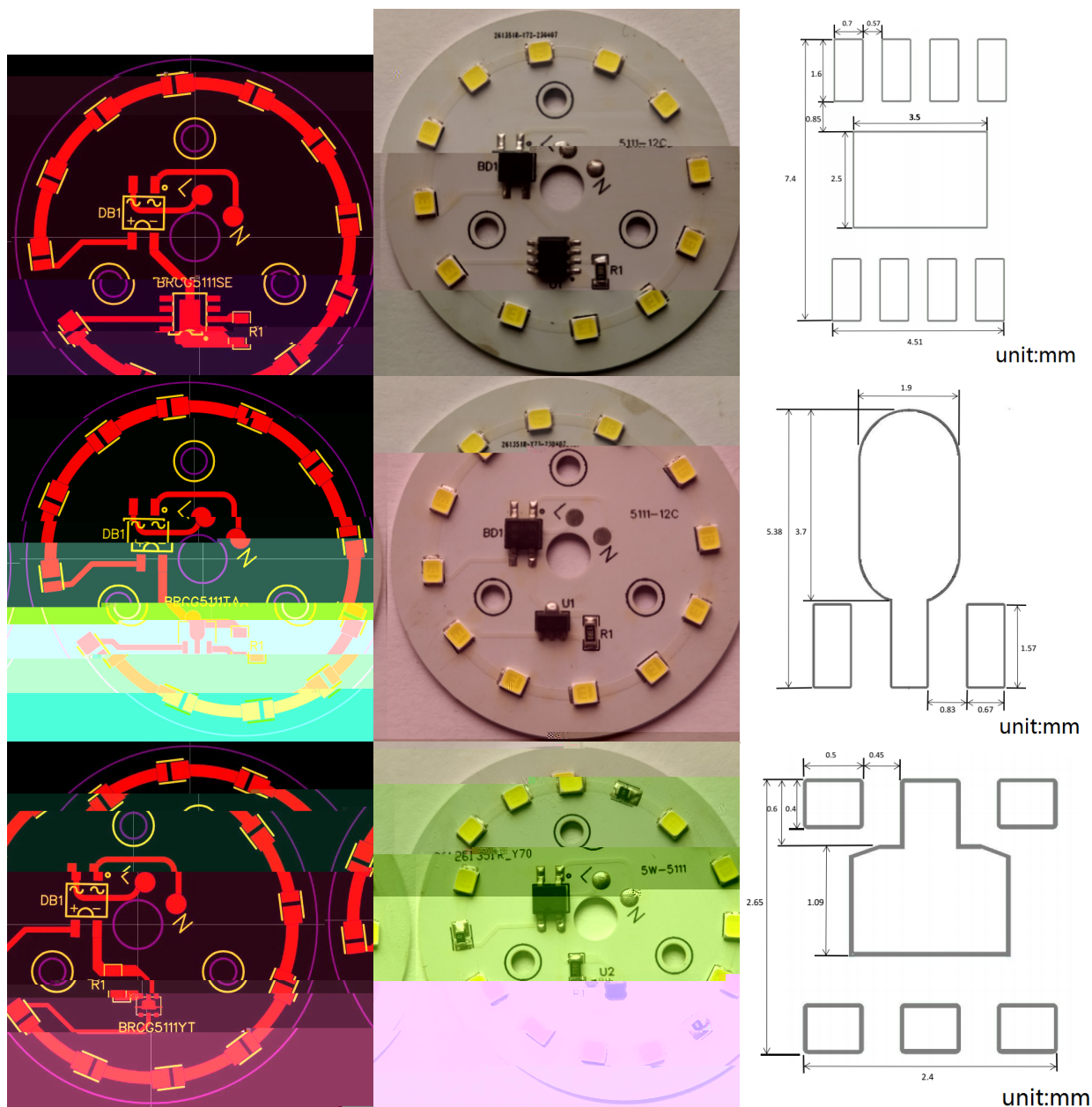
LED

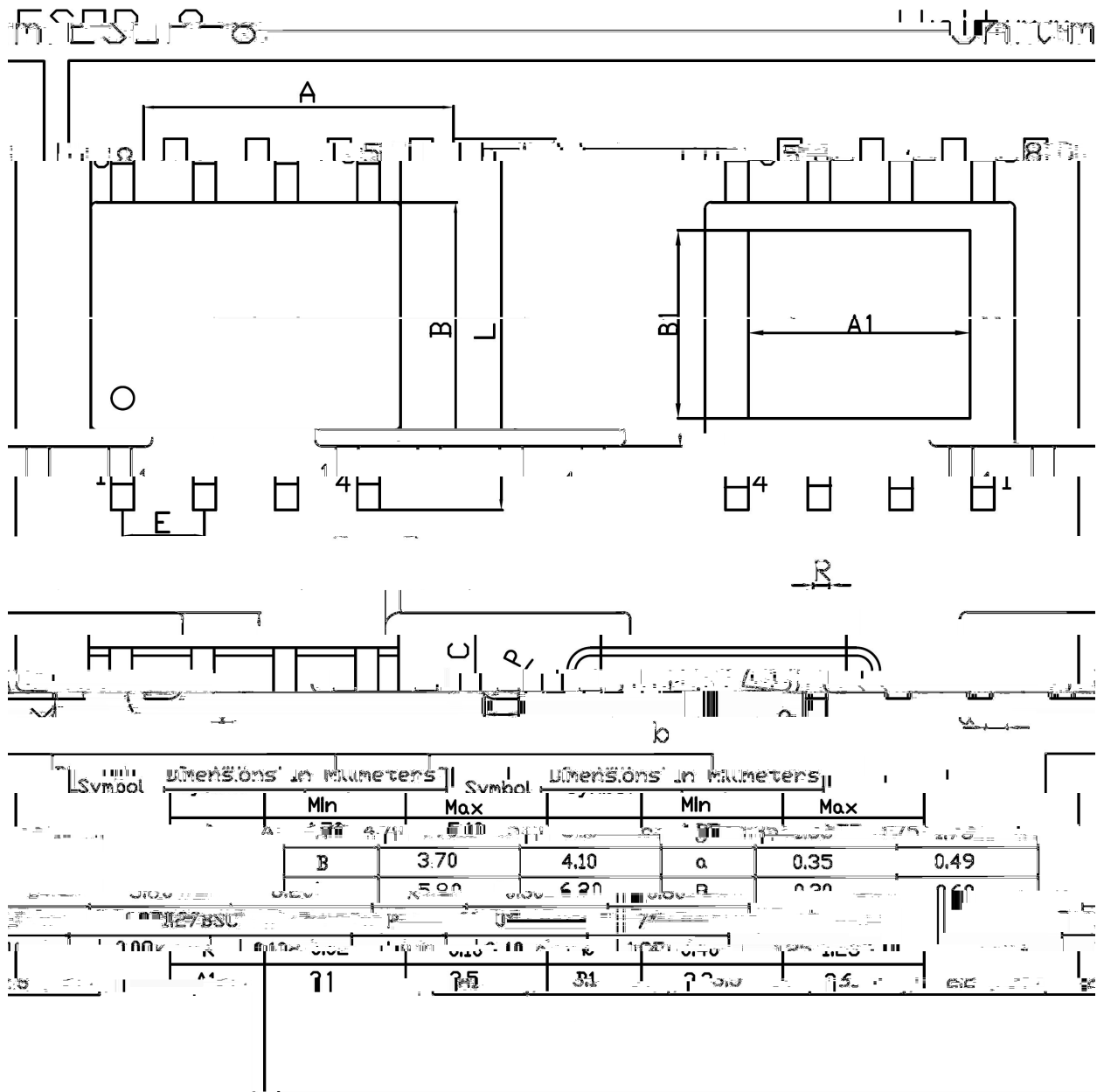
$$I_{LED} = \frac{600mV}{REXT(\Omega)} \text{ mA}$$

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>TSC

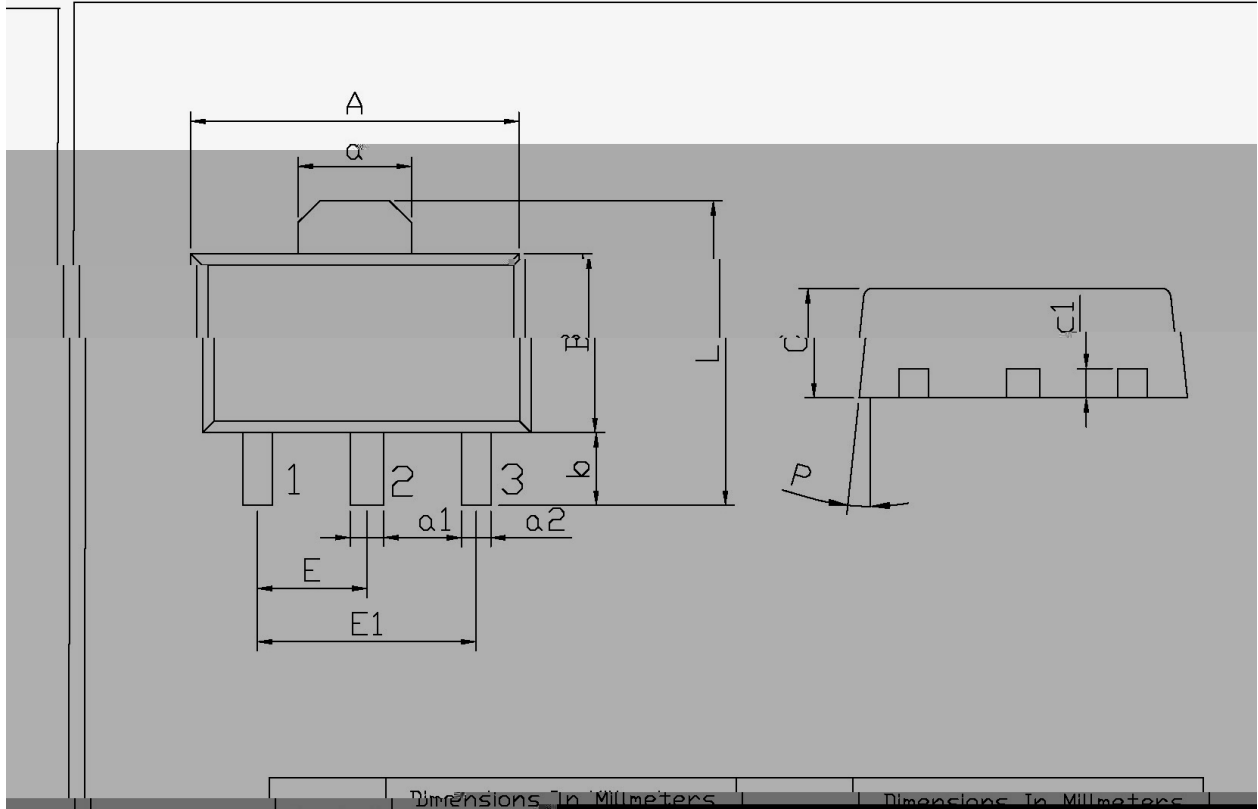
TSC





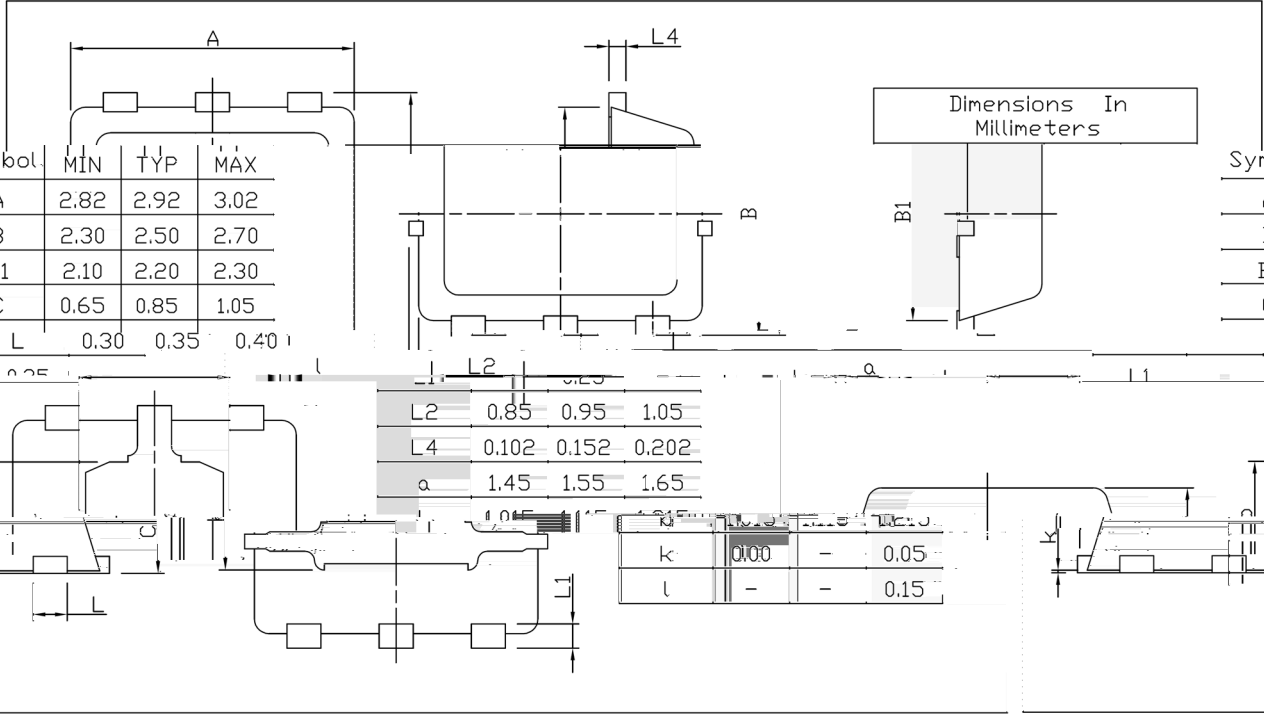


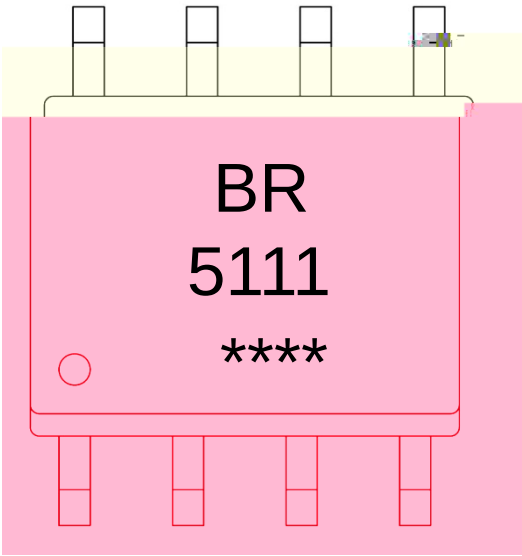
單位: m



PDFN3 X2

Unit:mm





EU

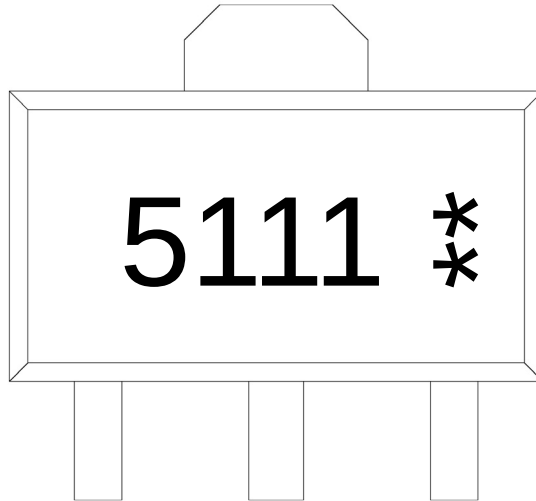
8444

Note:

BR: Company Code

5111: Product Type Code

****: Lot No. Code, code change with Lot No



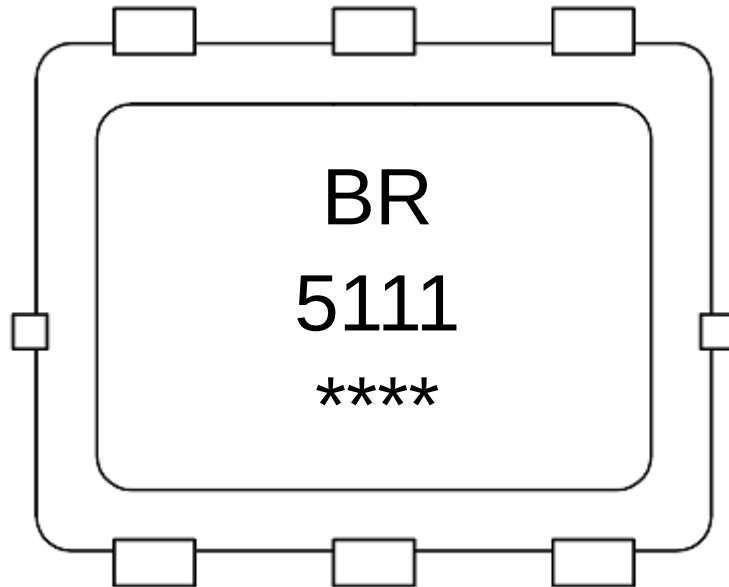
5111

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Note=

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EU

8444

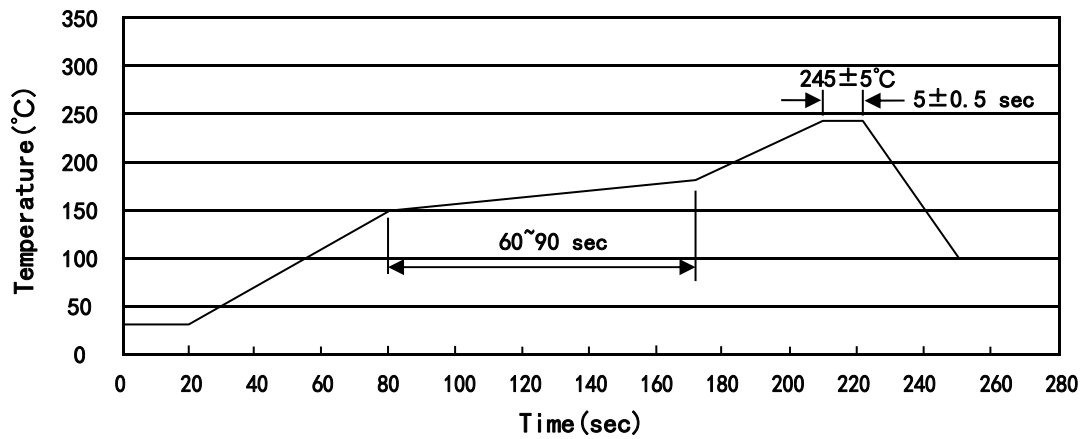
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Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-----|-------------------|----|------------------------|---|
| 1 | 150 | 180 $\frac{3}{8}$ | 60 | 90sec; | 1.Preheating:150~180 $\frac{3}{8}$, Time:60~90sec. |
| 2 | 245 | 25 $\frac{3}{8}$ | 5 | 0.5sec; | 2.Peak Temp.:245 $\pm$ 5 $\frac{3}{8}$, Duration:5 $\pm$ 0.5sec. |
| 3 | | | 2 | 10 $\frac{3}{8}$ /sec. | 3. Cooling Speed: 2~10 $\frac{3}{8}$ /sec. |

260 $\pm$ 5 $\frac{3}{8}$ 10 $\pm$ 1 sec. Temp.:260 $\pm$ 5 $\frac{3}{8}$ Time:10 $\pm$ 1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
SOP/ESOP-8	4,000	2	8,000	6	48,000	13 ×12	360×360×50	380×335×366

Package Type	Units					Dimension (unit mm ³)		
SOT-89	1,000	10	10,000	4	40,000	7 ×12	210×205×205	445×435×230

	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
PDFN3×2-6L	3,000	10	30,000	4	120,000	7 ×8	210×205×205	445×435×230