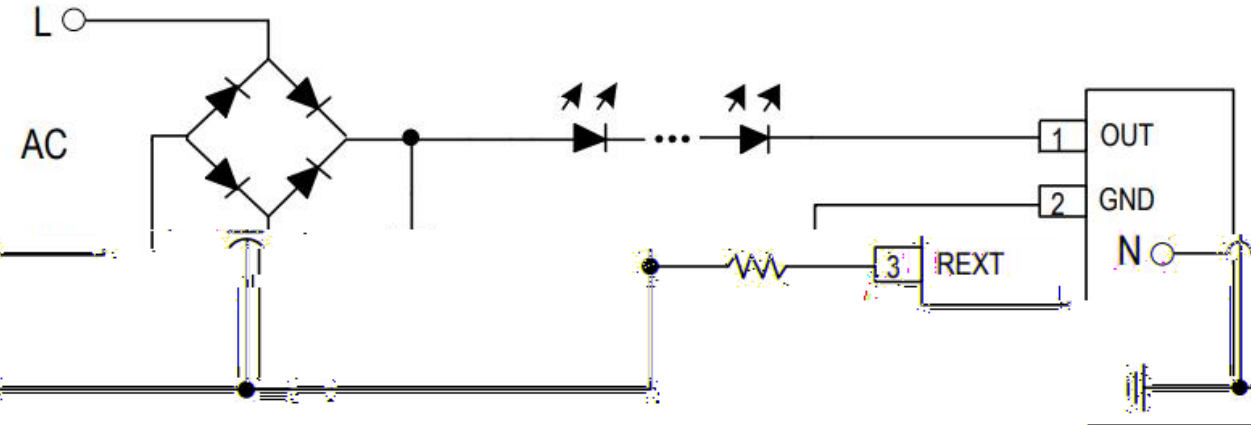


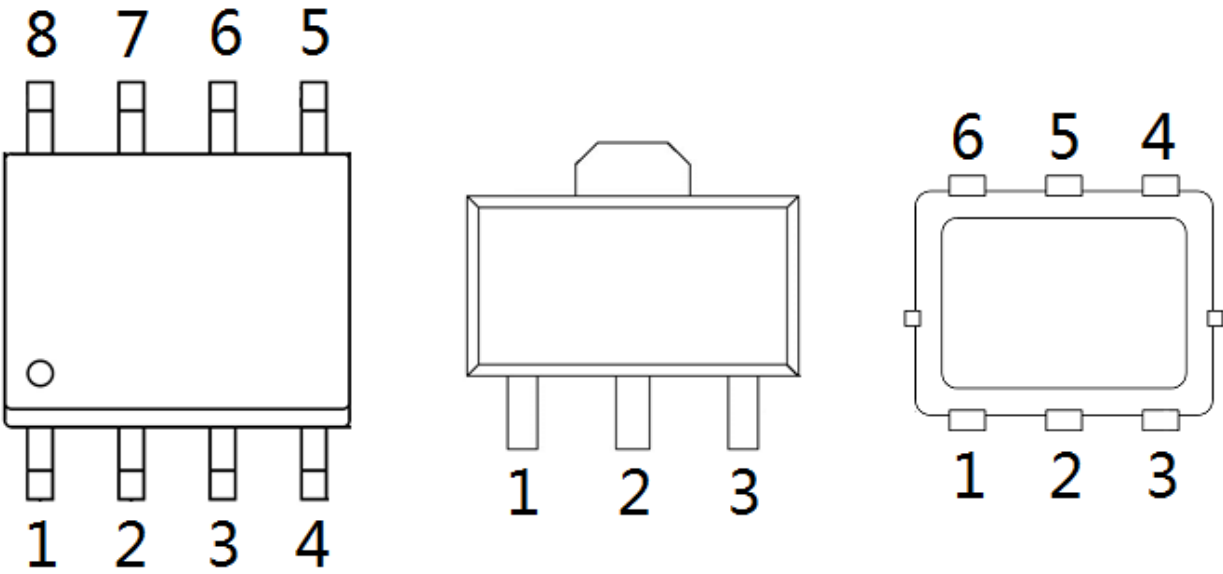
BRCG5111 SERIESLEDEMI

BRCG5111 SERIES±3%
60 mA
BRCG5111 SERIES

- ◆
◆
◆ LEDESOP-8 SOT-8960 mA
◆
◆ ±3% LED
◆ EMI
◆
◆ ESOP-8 SOT-89 PDFN3 2-6L

- ◆ LED
◆ LED /
◆ LED





7	1	5	VOUT	
2	3	3	REXT	
1	2	1	GND	
3,4,5,6,8	/	2,4,6	NC	

BRCG5111	

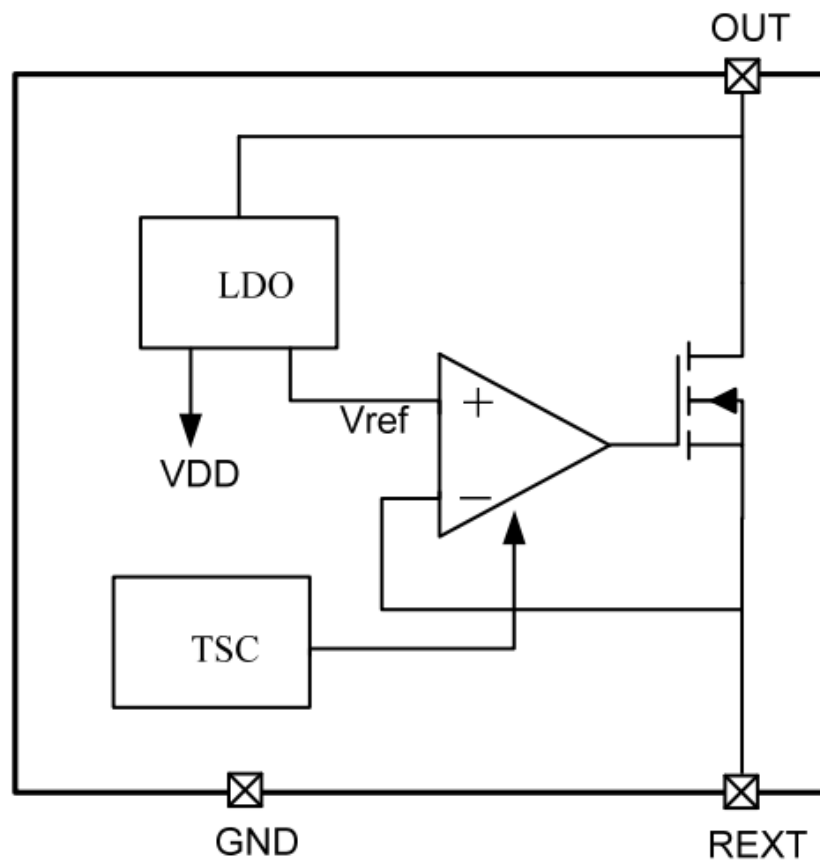
PN	ESOP-8 ¹	θ_{JA}	80	/W
PN	SOT-89 ¹	θ_{JA}	100	/W
PN	PDFN3 2-6L ¹	θ_{JA}	150	/W
		T _J	-40~160	
		T _{STG}	-65~150	
	²	ESD	2	KV

1 PCB 20Z 2Inch² 8
 2 100pF 1.5K Ω

I _{LED}	ESOP-8 & SOT-89	220Vac	<60 mA
I _{LED}	PDFN3 2-6L	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 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		

/ Functionl Block Diagram



/ Functional Description

BRCG5111 SERIES

LED

EMI

BRCG5111 SERIES

OUT

OUT

GND

BRCG5111 SERIES

REXT

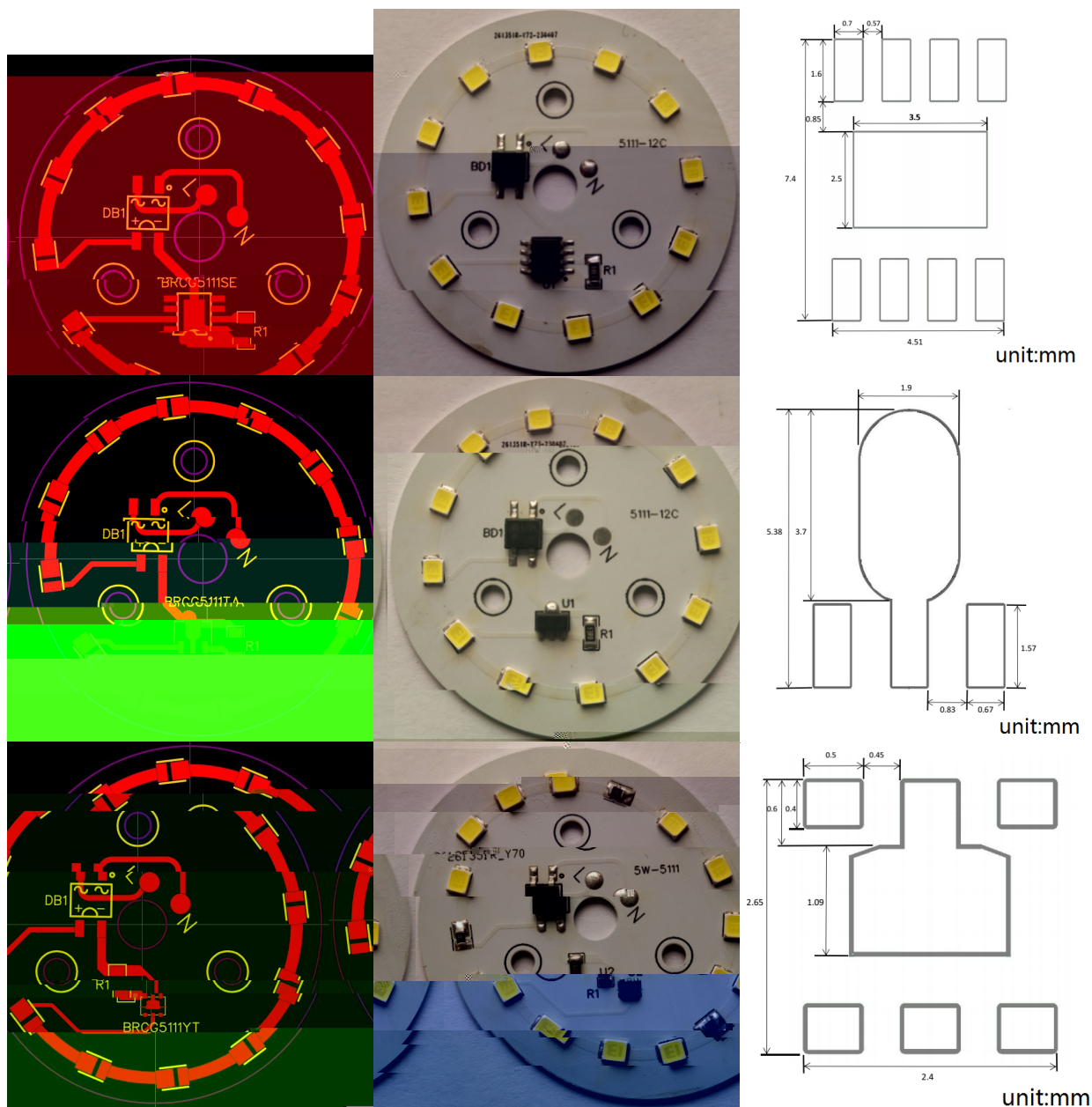
LED

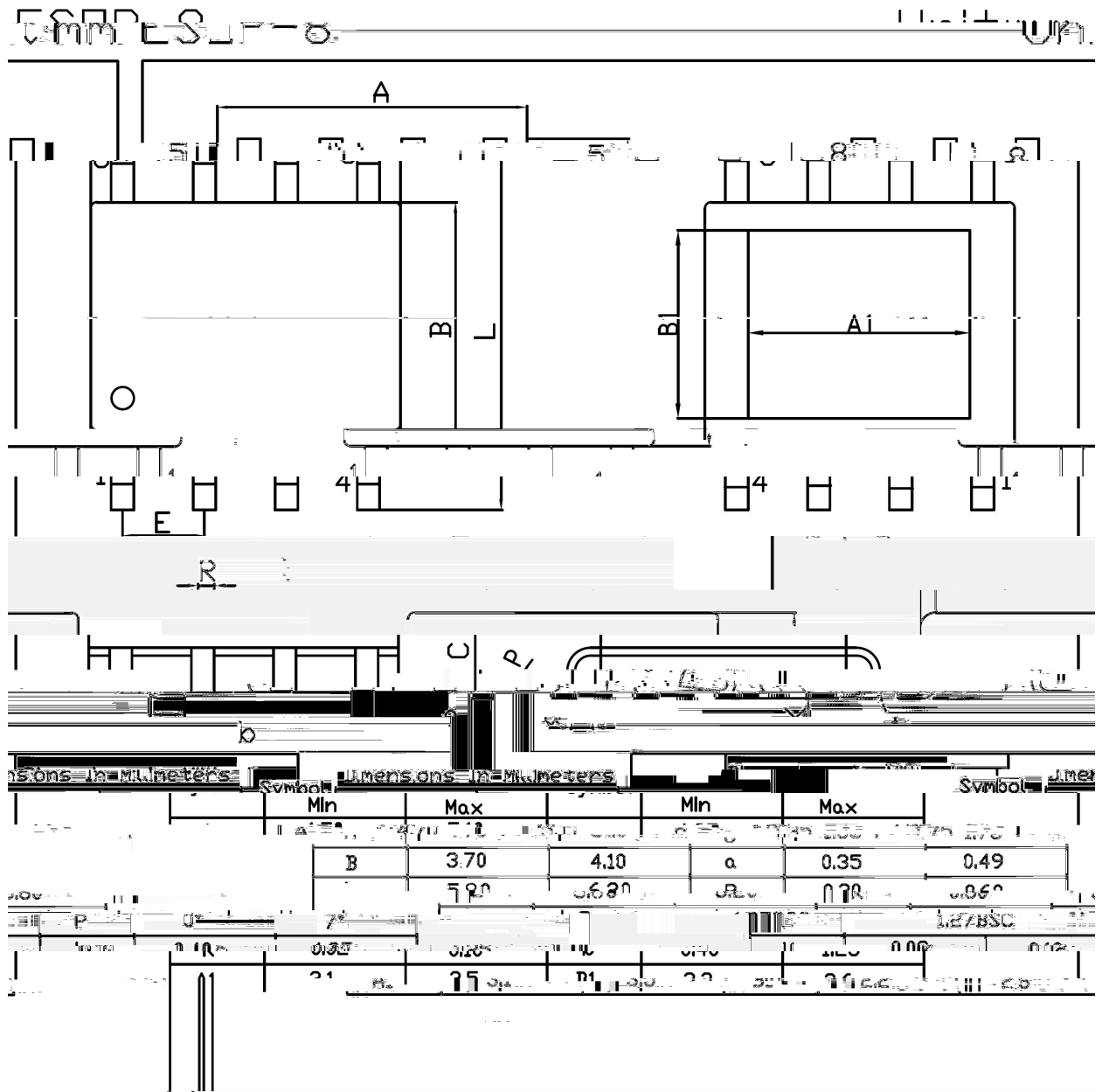
$$I_{LED} = \frac{600mV}{REXT(\Omega)} \text{ mA}$$

BRCG5111 SERIES

>TSC

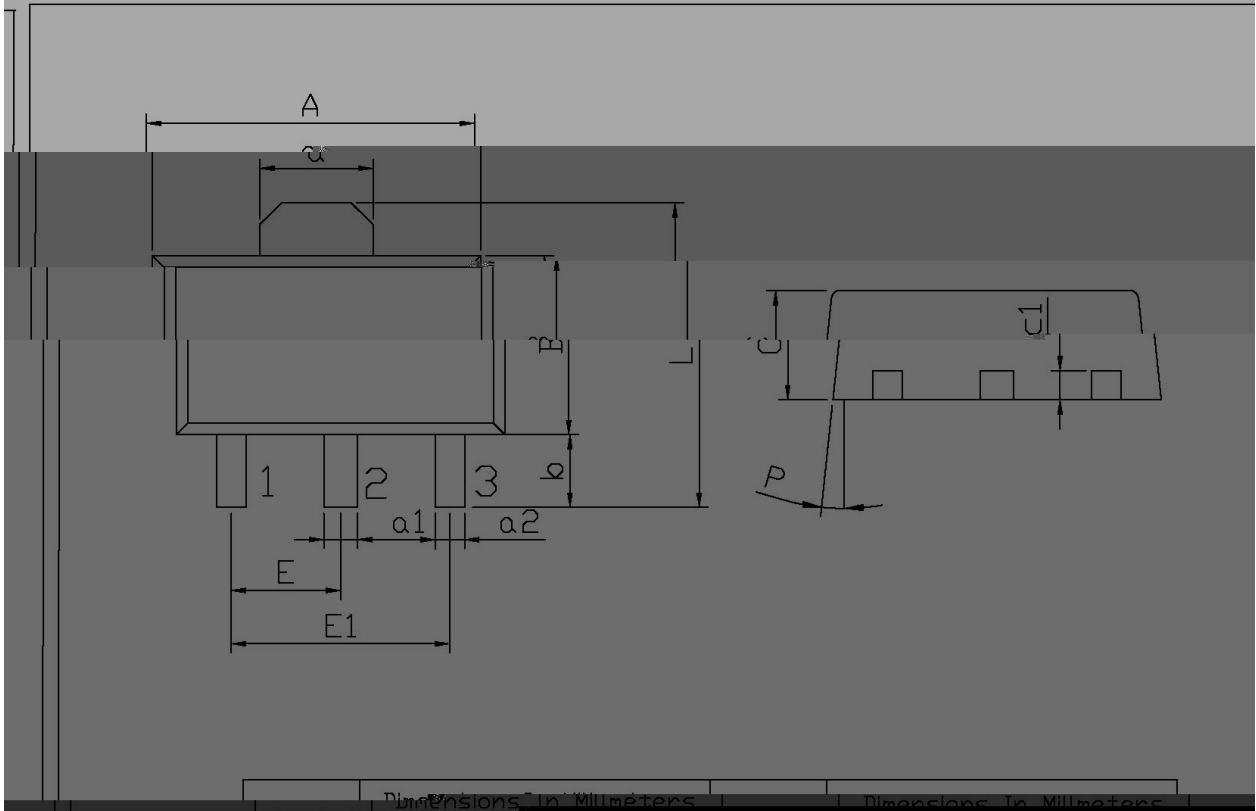
TSC

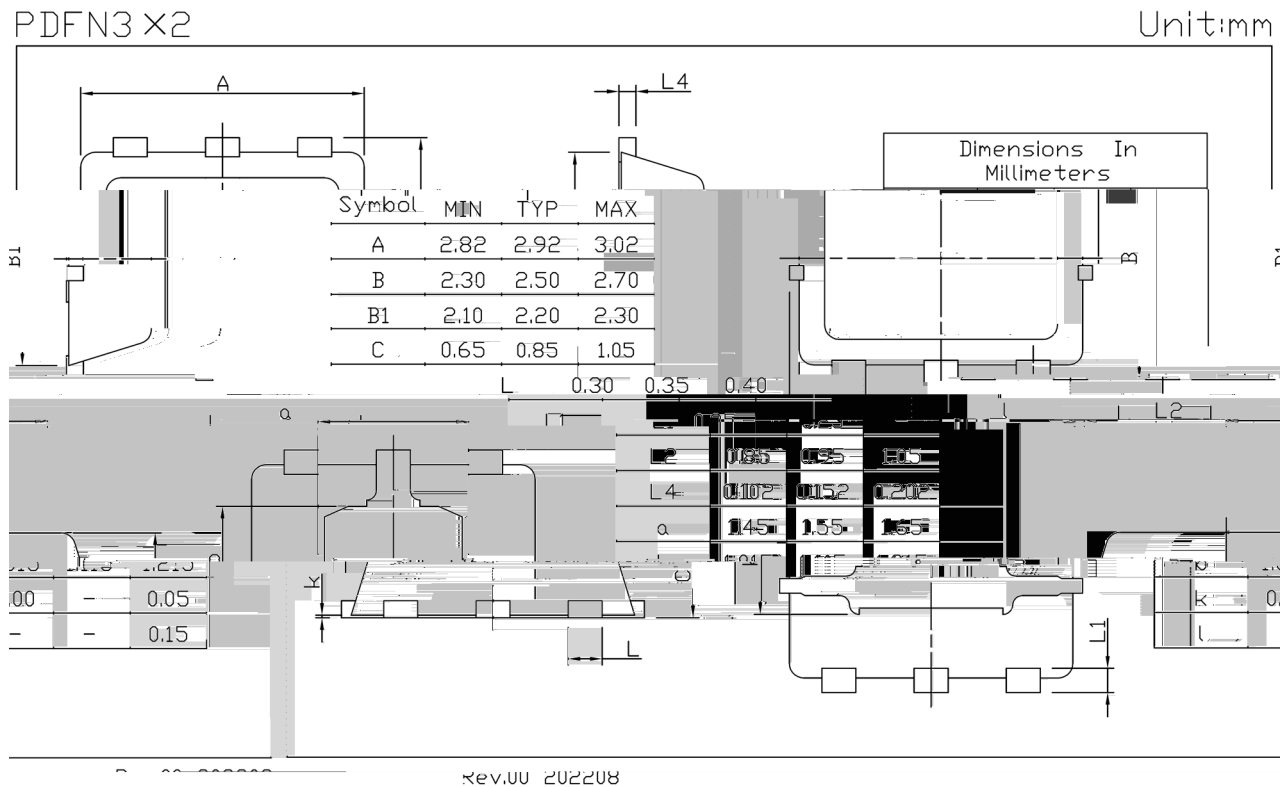


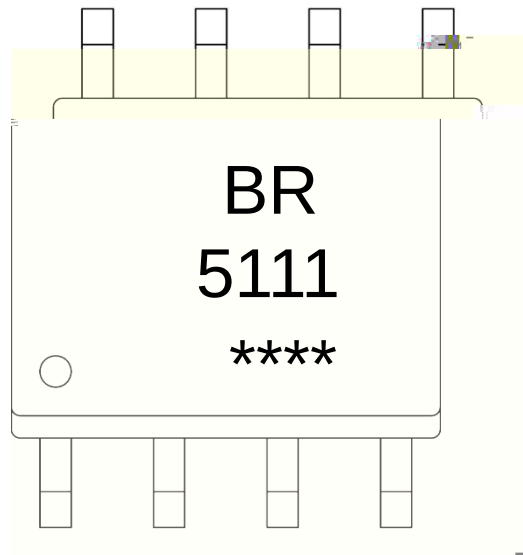


ST1-89

单位: mm





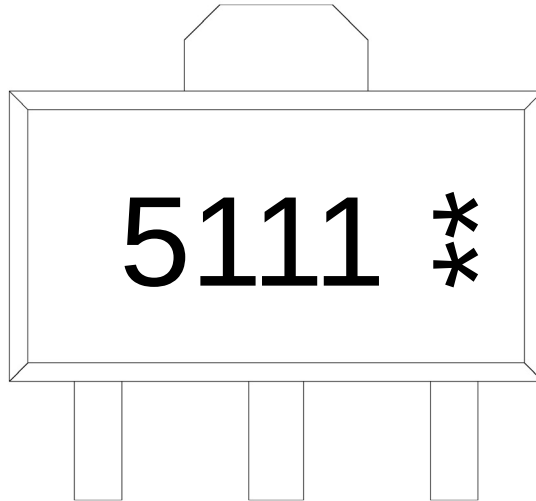


Note:

BR: Company Code

5111: Product Type Code

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



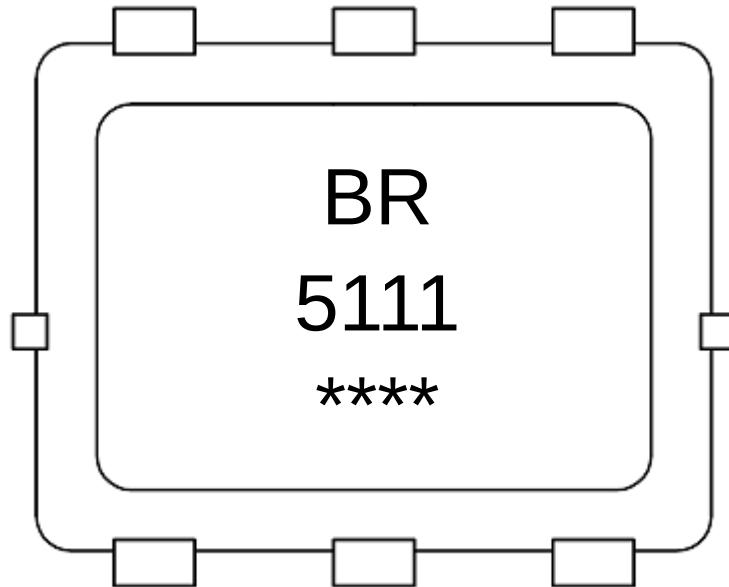
5111

**

Note

5111: Product Type Code

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



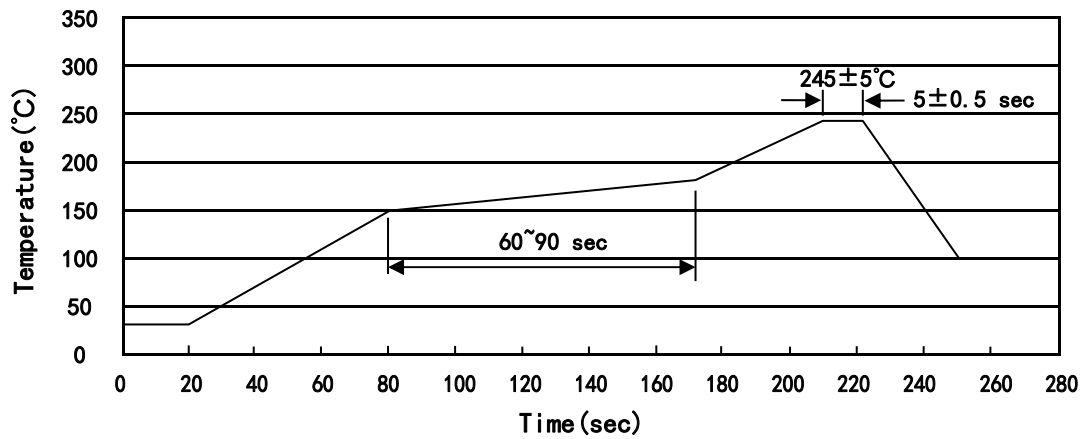
Note:

BR: Company Code

5111: Product Type Code

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

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-----|-----|----|----------|---|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 , Time:60~90sec. |
| 2 | 245 | 5 | 5 | 0.5sec; | 2.Peak Temp.:245 5 , Duration:5 0.5sec. |
| 3 | | | 2 | 10 /sec. | 3. Cooling Speed: 2~10 /sec. |

260 5 10 1 sec. Temp.:260 5 Time:10 1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
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)		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
SOT-89	1,000	10	10,000	4	40,000	7 ×12	210×205×205	445×435×230

Package Type	Units					Dimension (unit mm ³)		
	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