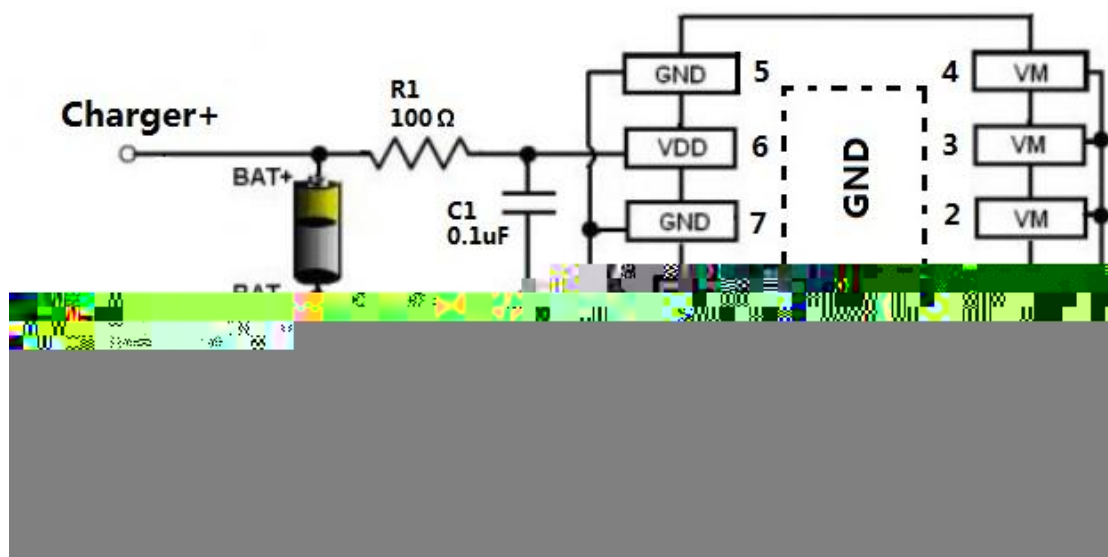
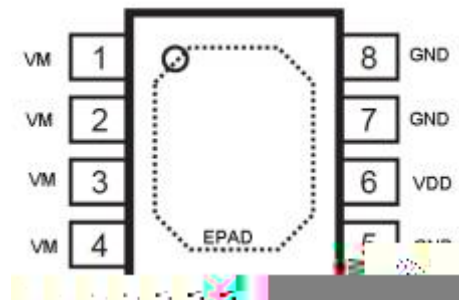






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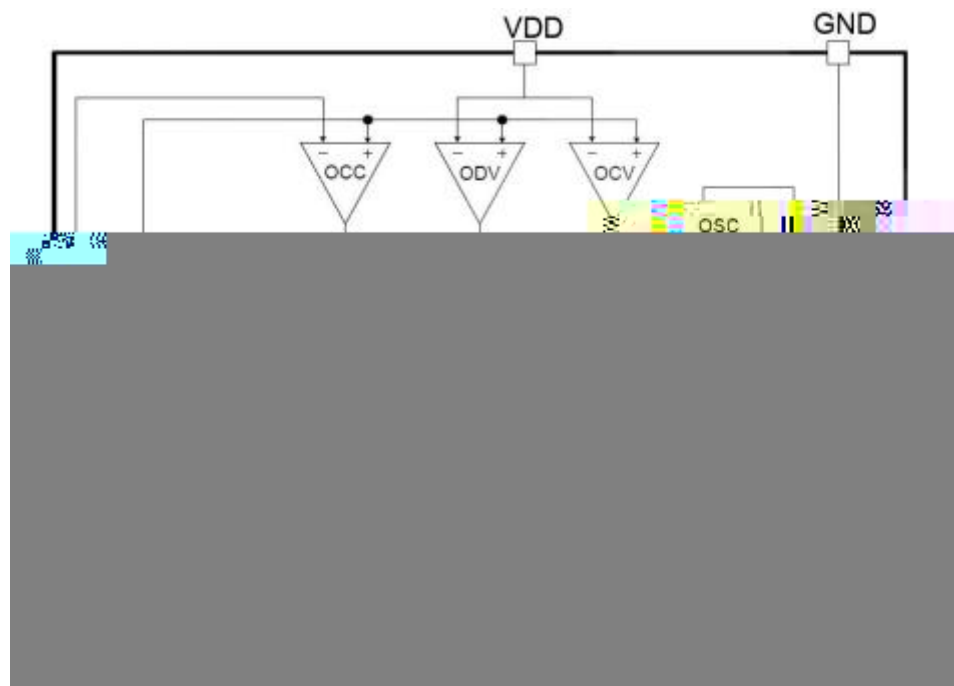
	VM	
	GND	
	VDD	
	EPAD	EPAD BRCL3120SE ,GND

See Marking Instructions.



	V_{IN}	-0.3 to +6.0	V
	V_{VM}	-6.0 to +10	V
	T_J	125	°C
	T_L	300	°C
	T_{opr}	-40 to +85	°C
	T_{stg}	-55 to +150	°C
	ESD	2000	V

	V_{CU}		4.25	4.30	4.35	V
	V_{CL}		4.05	4.10	4.15	V
	V_{DL}		2.30	2.40	2.50	V
	V_{DR}		2.90	3.00	3.10	V
	V_{CHA}			-0.12		V
	I_{IOV1}	$V_{dd}=3.5V$		6		A
	I_{SHORT}	$V_{dd}=3.5V$		25		A
	I_{OPE}	$V_{dd}=3.5V, V_M=0V$		5	12	μA
	I_{PDN}	$V_{dd}=2V, V_M$ floating		3	12	μA
	R_{DS}	$V_{dd}=3.6V, I_{VM}=1A$		25		mΩ
				120		°C
				100		°C
	T_{CU}	$V_{DD}=3.6V\sim4.4V$		130	200	ms
	T_{DL}	$V_{DD}=3.6V\sim2.0V$		40	60	ms
	T_{IOV1}	$V_{DD}=3.6V$		8.0		ms
	T_{SHORT}	$V_{DD}=3.6V$		32		μS

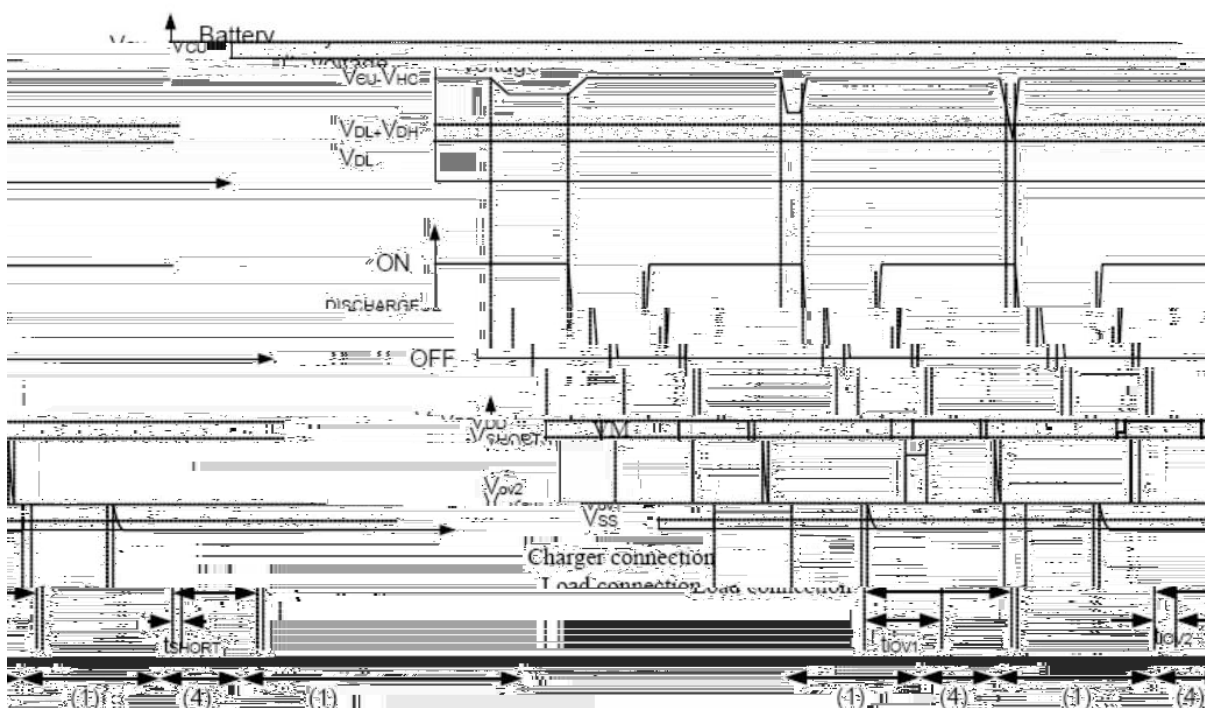
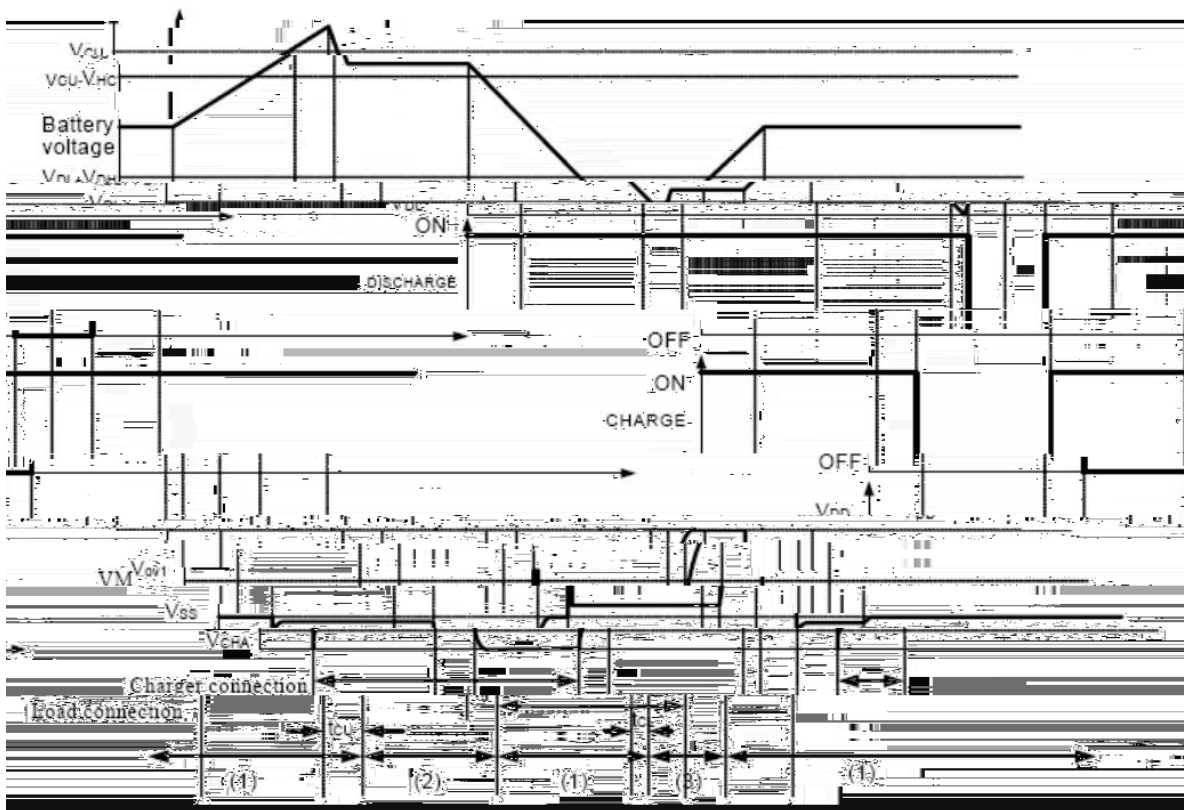


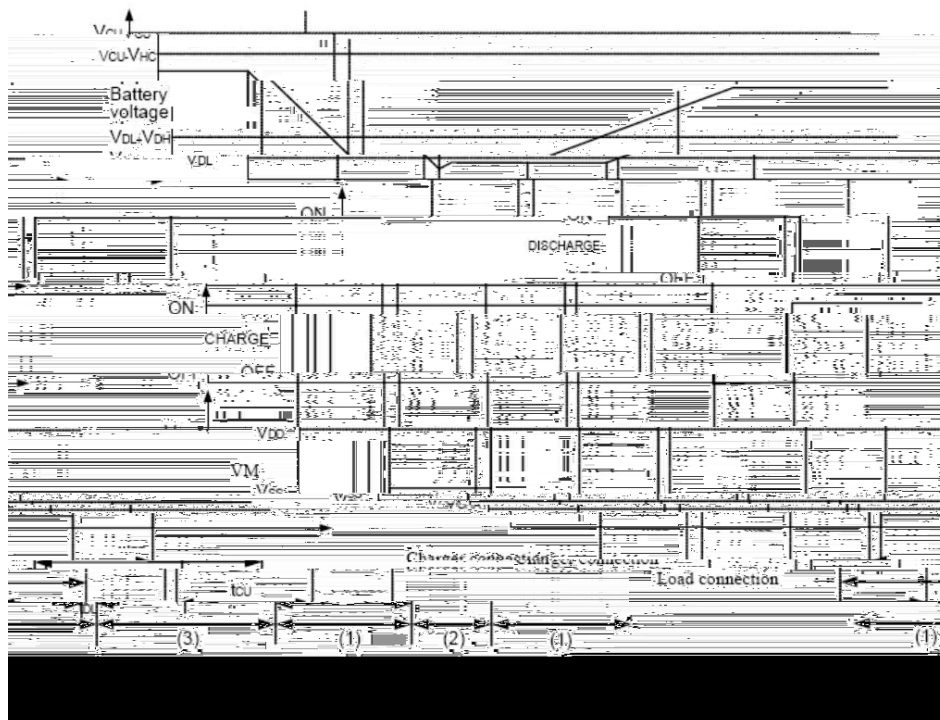


SHORT

SHORT

0V



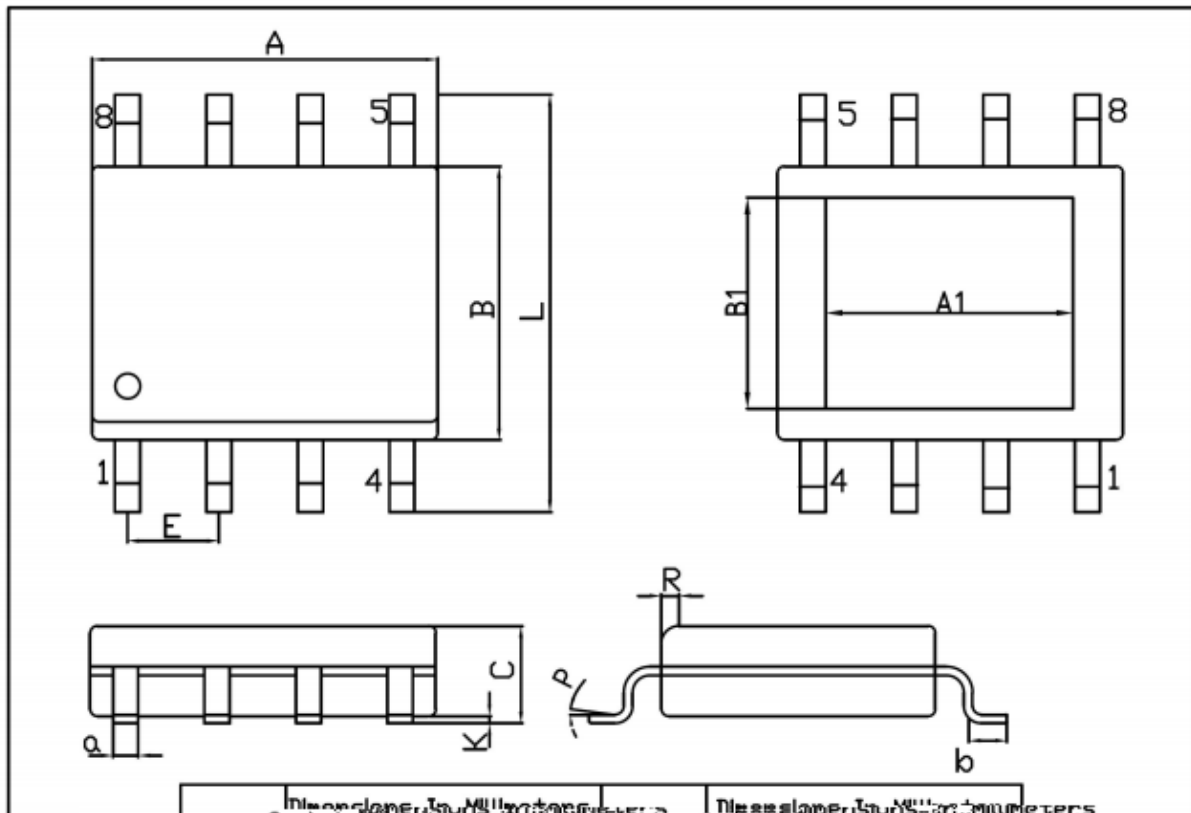


4



ESOP-8

Unit:mm



Dimensions in Millimeters			Dimensions in Millimeters		
Symbol	Min	Max	Symbol	Min	Max
A	4.70	5.10	C	1.35	1.75
B	3.70	4.10	a	0.35	0.49
L	6.00	6.40	R	0.30	0.60
E	1.27BSC		P	0°	7°
K	0.02	0.10	b	0.40	1.25
A1	3.1	3.5	B1	2.2	2.6



Note:

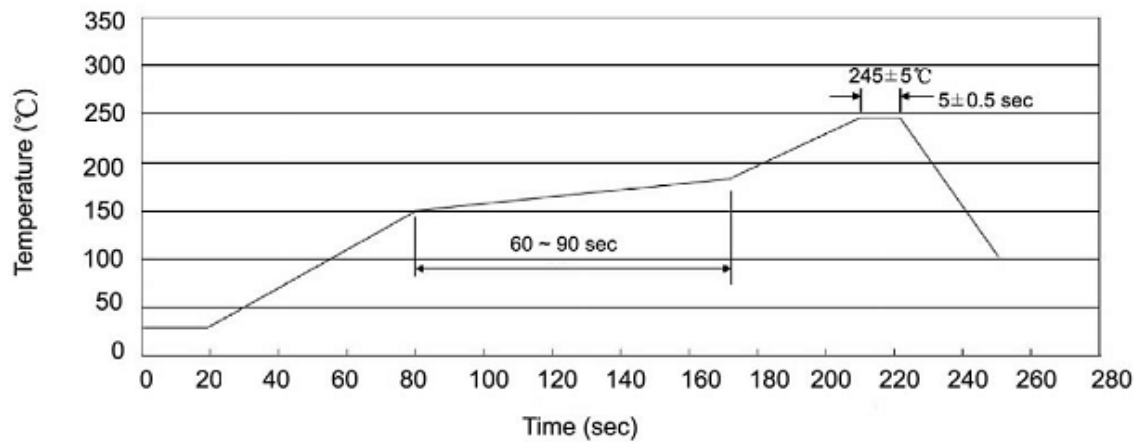
BR: Company Code

3120: Product Type.

****: 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 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
ESOP-8	4,000	2	8,000	6	48,000	13" ×12	360×360×50	385×257×392