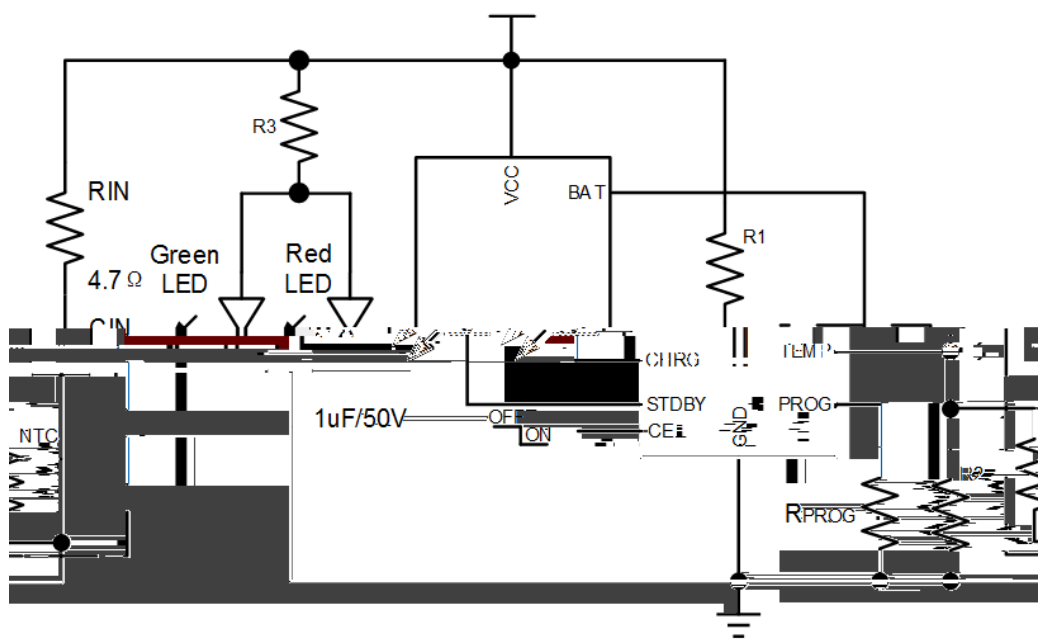


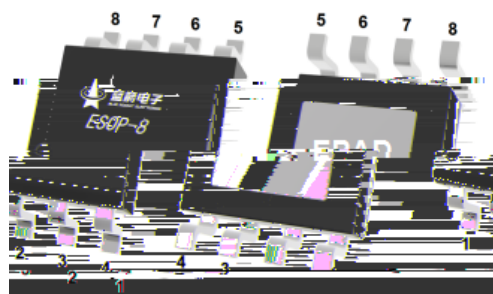
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/ Application Circuit



1	VCC	VCC	CIN	4.7Ω	VCC		
2	CE	MCU	CE	GND	BRCL4079SE-4.2	CE	VCC

/ Pinning



PIN Num.	Symbol	Function
	PROG	GND

/ Absolute Maximum Ratings(Ta=25)

PARAMETER	SYMBOL	RATINGS	UNITS

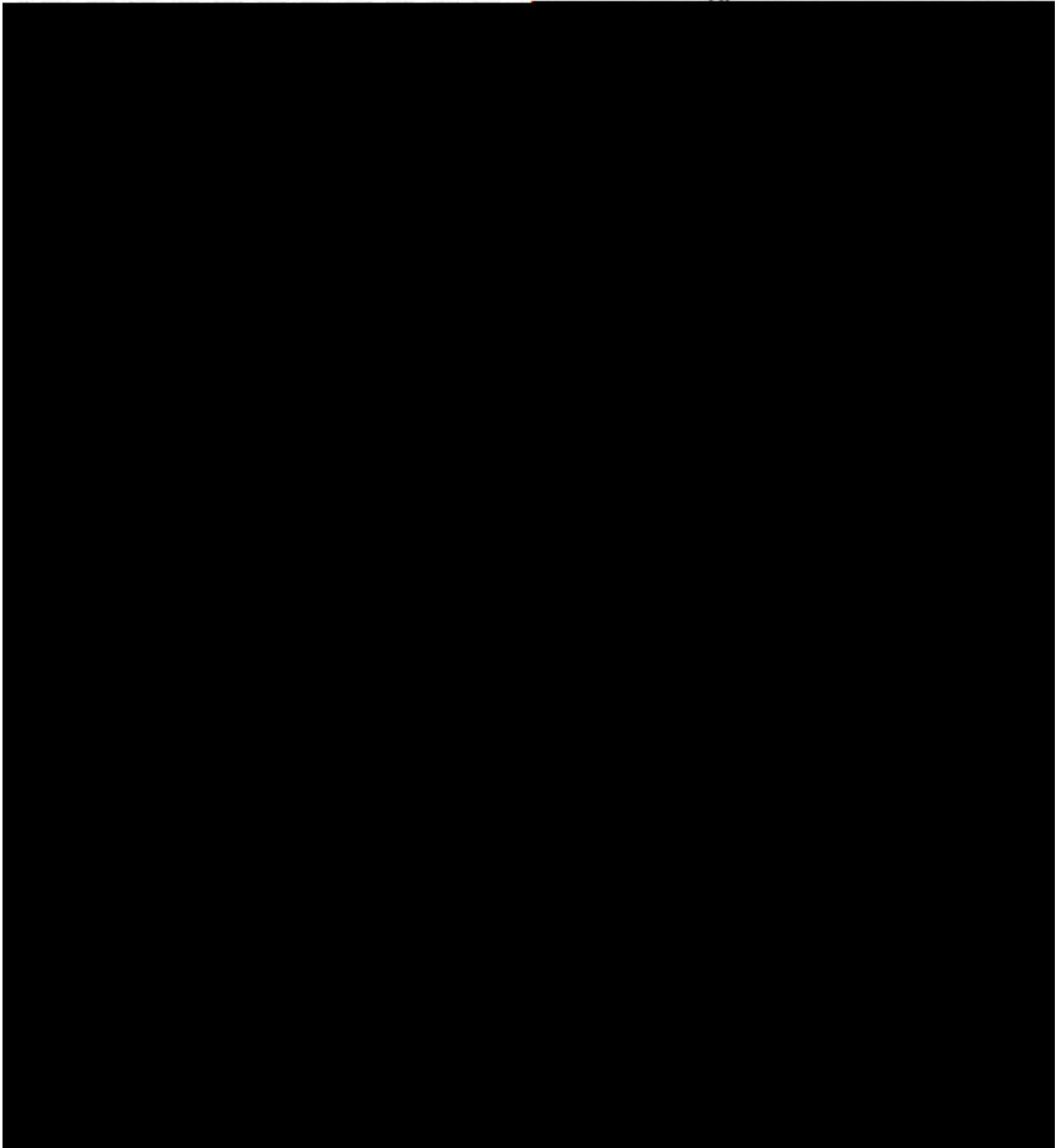
/ Electrical Characteristics(V_{CC}=5V,V_{BAT}=3.6V,Ta=25)

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
						μ
						μ
						μ
						μ
		≤ ≤				
						μ
				±	±	μ
						μ
						μ

/ Electrical Characteristics(V_{CC}=5V,V_{BAT}=3.6V,Ta=25)

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
						Ω
						μ
						μ

/ Principle block diagram



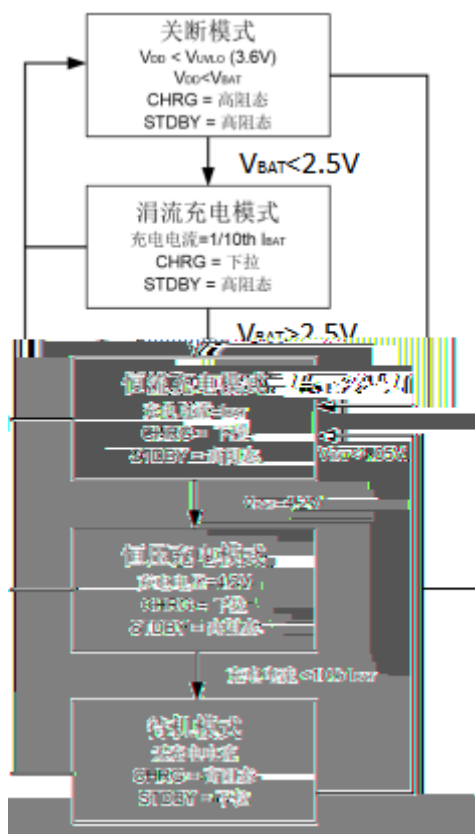
/ Function description

±

×

/ Function description

μ



BRCL4079SE-4.2

/ Function description

R1 R2

$$V_{TEMPL} = \frac{R2 || R_{TL}}{R1 + R2 || R_{TL}} V_{IN}$$

$$V_{TEMPH} = \frac{R2 || R_{TH}}{R1 + R2 || R_{TH}} V_{IN}$$

$$V_{TEMPL} = V_{HIGH} = k2 \times V_{CC} (k2 = 0.9) \\ V_{CC} (k1 = 0.45) \quad V_{TEMPH} = V_{LOW} = k1 \times$$

$$R1 = \frac{R_{TL} \times R_{TH} (k2 - k1)}{(R_{TL} - R_{TH}) k2 \times k1}$$

$$R2 = \frac{R_{TL} \times R_{TH} (k2 - k1)}{(R_{TH} - R_{TL}) k2 \times k1}$$

$$R1 = \frac{R_{TL} \times R_{TH} (k2 - k1)}{(R_{TH} - R_{TL}) k2 \times k1}$$

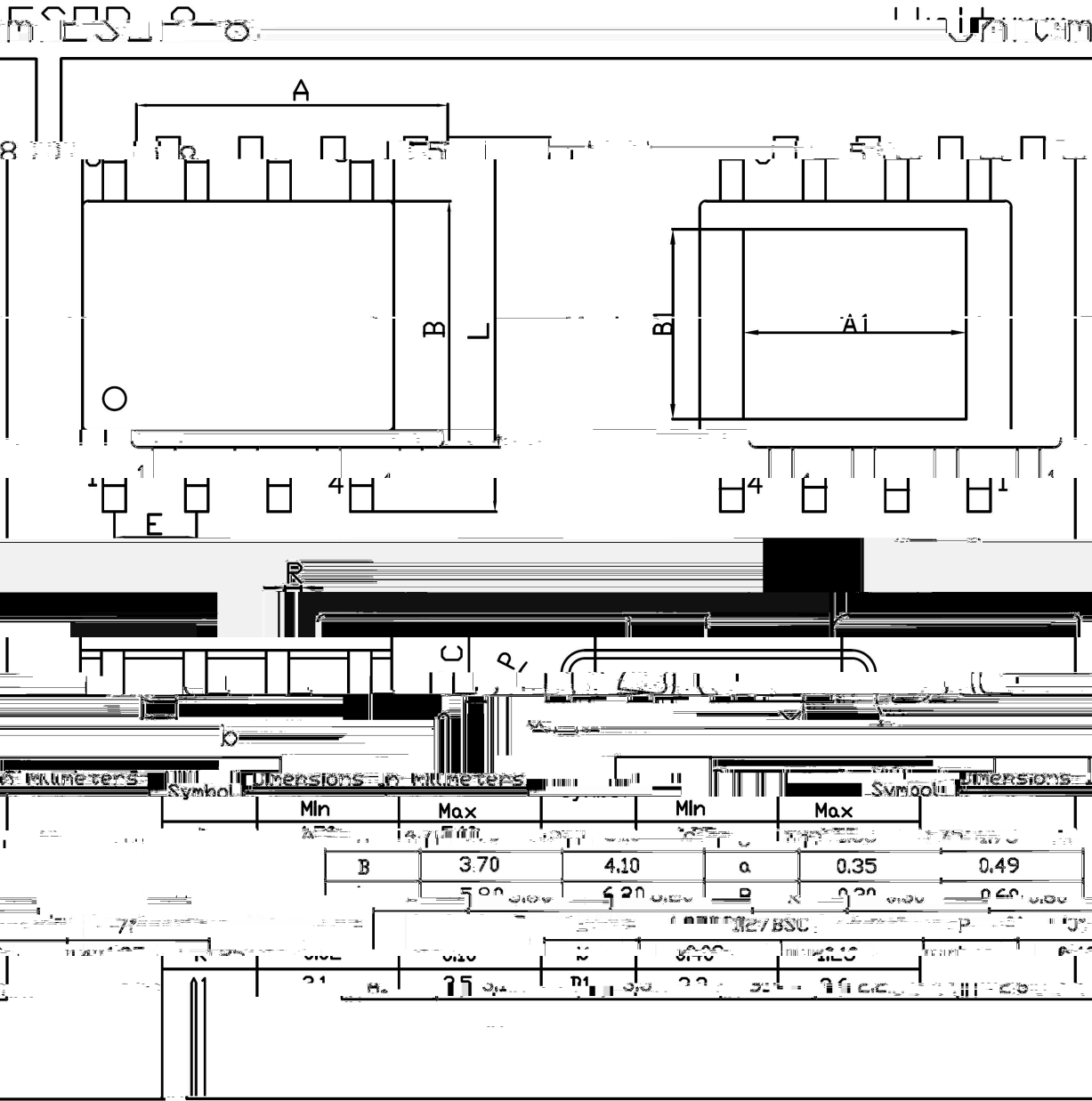
$$R2 = \frac{R_{TL} \times R_{TH} (k2 - k1)}{R_{TH} (k1 - k2 \times k1) - R_{TL} (k2 - k2 \times k1)}$$

UVLO

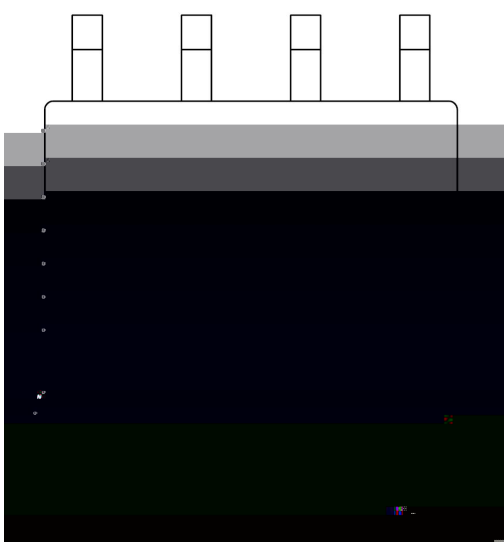
BRCL4079SE-4.2

Ω

/ Package Dimensions



/ Marking Instructions



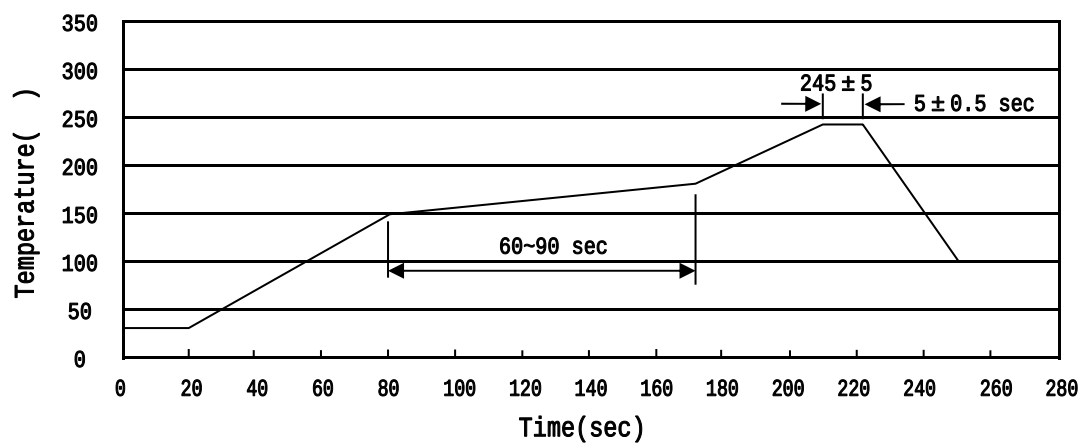
BR

4079

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4.2v

() /

 $\pm$ $\pm$ $\pm$ $\pm$

/ Resistance to Soldering Heat Test Conditions

 $\pm$ $\pm$

/ Packaging SPEC.

	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box

/ Notices