

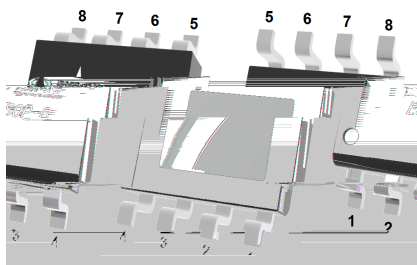
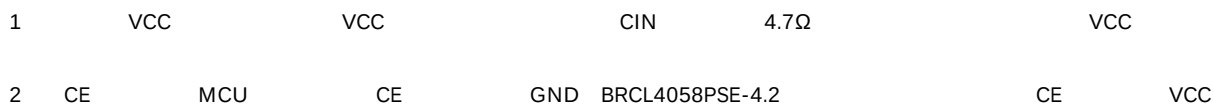
○ ○

 μ

USB

蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

[illegible]

PARAMETER

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS

BRCL4058PSE-4.2

/ Function description

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◆ 7

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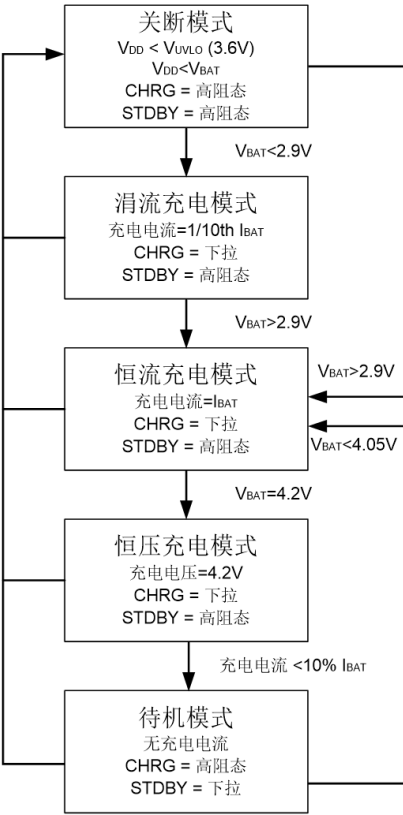
×

Ω	
3.00	305
2.32	400
2.05	450
1.91	485
1.80	520
1.58	590
1.47	640
1.37	690
1.27	755
1.21	800
1.10	910
1.02	1000

/ Function description

◆ 6

μ



/ Function description

◆

μ

	LED CHRG	LED STDBY
BAT 10uF (TEMP=GND)	LED LED 1-4s	

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×

×

/ Function description

◆ R1 R2

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

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

$$V_{TEMPH} = V_{HIGH} = k2 \times V_{CC} (k2 = 0.8)$$

$$V_{TEMPL} = V_{LOW} = k1 \times V_{CC} (k1 = 0.45)$$

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

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

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

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

◆ $\alpha_{UVLO} \beta$

/ Function description

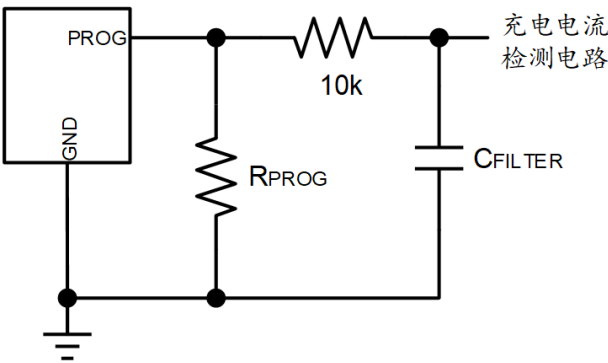
◆

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Ω

Ω

$$R_{\text{PROG}} \leq \frac{1}{2\pi \cdot 10^5 \cdot C_{\text{PROG}}}$$



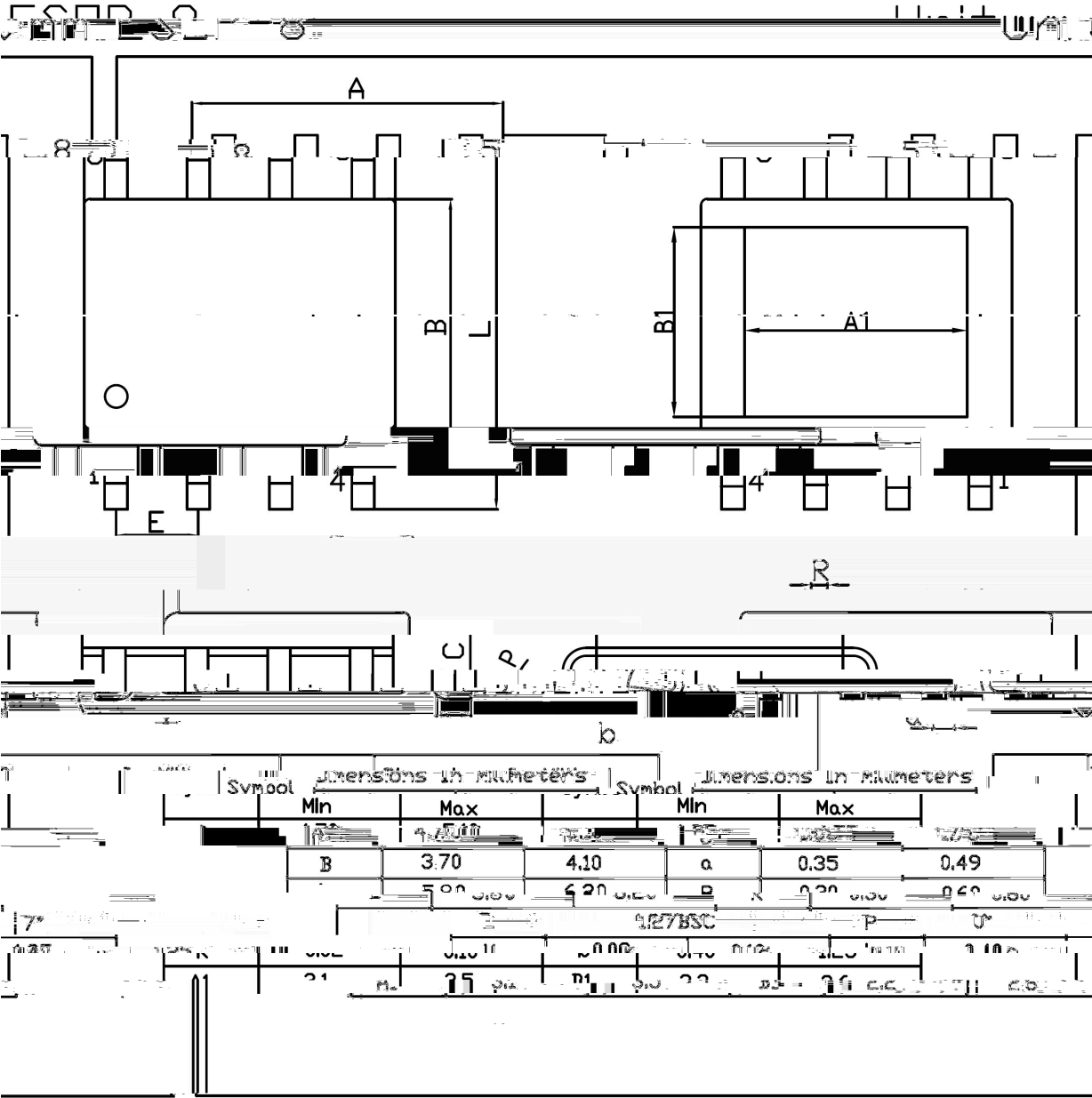
◆

$\times \theta$

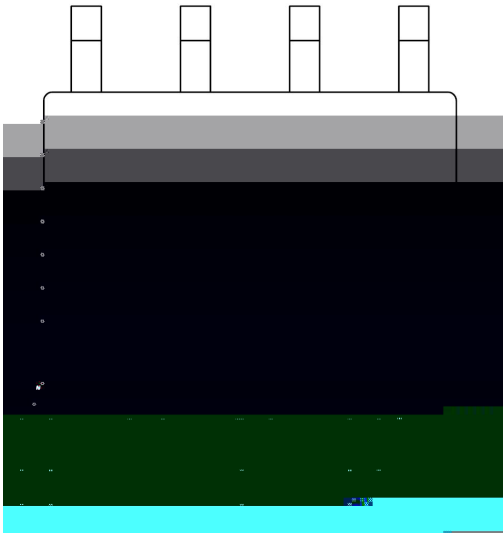
BRCL4058PSE-4.2



/ Package Dimensions



/ Marking Instructions



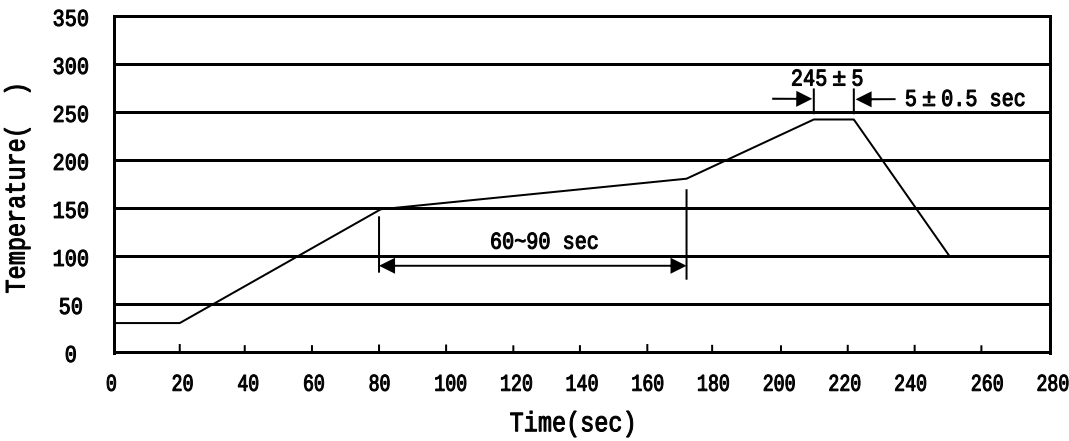
BR

4058P

42

4.2v

() / Whp shrdwxrh Prrioh irr IU Uhiorw Vroghriq j+Pe-Frhh,



± ± ± ±

/ Resistance to Soldering Heat Test Conditions

± ±

/ Packaging SPEC.

封装形式	包装数量					包装尺寸		
	只 卷盘	卷盘 盒	只 盒	盒 箱	只 箱		盒	箱

/ Notices