

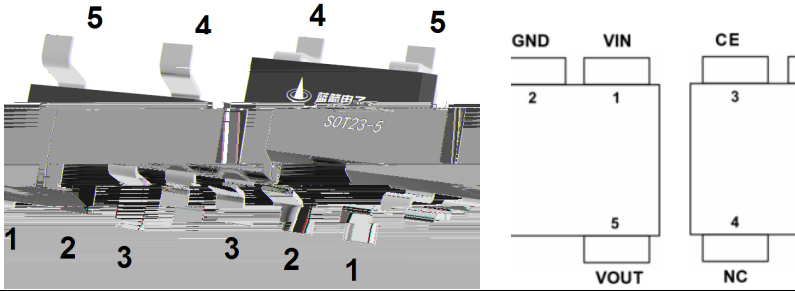
BRCO2600AME

Rev.A Oct.-2024

(8) 5 ' 3 + © % ^ . Y) 3 5 9 W + ò - Ý ½ € • o • ä › ò A o • z ™ Ò z 9 [¿ Å | 9 ~ o ž
¿ â „ ä , € • Ô Å • V ¿ ú v f k ñ Y Ô ð ` ... 9 ô 4 C 0 È D } o ž

- ‹ z ÿ ß ™ Ò y 40uVrms g 10Hz~100kHz h
- ‹ z 9 [y 80mV@100mA
- ‹ ÿ ß v y 300mA
- ‹ z ^ Á W • v y 35uA

• Ú - æ / Pinning



-	df		-	df	
1	VIN	9 ÿ µ €	4	NC	— H N
2	GND	, a	5	VOUT	9 ÿ ß €
3	CE	... € k ä u Ä			

1 Y & , M / Part Number & Marking

° Z	ÿ ß 9 (V)	--
BRCO2600AME-1.2	1.2	• - - a ç
BRCO2600AME-1.5	1.5	
BRCO2600AME-1.8	1.8	
BRCO2600AME-2.5	2.5	
BRCO2600AME-2.8	2.8	
BRCO2600AME-3.0	3.0	
BRCO2600AME-3.3	3.3	

Ã a ? d / Absolute Maximum Ratings(Ta=25 ;)

@ f	... Z	f ,	% y
ÿ µ 9	V _{IN}	-0.3 to 7	V
ÿ ß 9	V _{OUT}	-0.3 to (V _{IN} +0.3)	V
ÿ ß v	I _{OUT}	600	mA
ô • ä	P _D	0.4	W
¥ “ †	T _{stg}	-65 to +150	°C
W • È “	T _j	-40 to +150	°C
W • “ †	T _A	-40 to +85	°C
' D N “ † g 10s h	T _{sold}	260	°C
ESD ^ ^	K } % ” g . (3 h	12	KV
	Ñ ~ % ” g 3 3 h	1200	V

Electrical Characteristics (T_A=25 ; , V_{IN}=V_{OUT}+1V, C_{IN}=C_{OUT}=1uF, unless otherwise specified)

@ f	... Z	y i Ú ^	Â 4 ›	Á ° ›	Â Ý ›	% y
ÿ µ 9	V _{IN}	-	1.5		6.0	V
ÿ ß 9 ^{g1h}	V _{OUTgEh}	I _{OUT} =1mA	V _{OUTgSh} *0.98	V _{OUTgSh}	V _{OUTgSh} *1.02	V
² Á W • v	I _{SS}	I _{OUT} =0mA		35	75	uA
- Ñ v	I _{SHDN}	V _{CE} =0V		0.1	1	uA
ÿ ß v	I _{OUT}		300			mA
ÿ ß v ' ò	I _{LIM}	V _{OUT} = 90% V _{OUT(Normal)}	500	600		mA
ÿ µ ÿ ß 9 [g2h	V _{dorop}	I _{OUT} =100mA V _{OUTASÄ} •3.3V		80		mV
¿ ú² ... ä	¸ V _{load}	V _{IN} =V _{OUTASÄ} +1V 1mA 0 I _{OUT} 0 100mA		10		mV
¿ Å² ... ä	¸ V _{OUT} / (¸ V _{IN} *V _{OUT})	I _{OUT} =10mA V _{OUTASÄ} +1V 0 V _{IN} 0 6V		0.01	0.2	%/V
ÿ ß 9 " † © f	¸ V _{OUT} / (¸ T _A *V _{OUT})	I _{OUT} =10mA -40 0 T _A 0 f 85		50		ppm/
ÿ ß ? è v	I _{short}	V _{OUT} =V _{SS}		120		mA
› ¼ f ò A	PSRR	I _{OUT} =50mA Èf=100Hz		78		dB
		I _{OUT} =50mA Èf=1kHz		85		
		I _{OUT} =50mA Èf=10kHz		75		
CE ä u	V _{CE_H}		1.5		V _{IN}	V
CE z u	V _{CE_L}				0.3	V
½ ¼ •f9 ›	T _{SD}			160		°C
½ ¼ ••	¸ T _{SD}			20		°C
C _{OUT} y Š	R _{DISCHRG}	V _{IN} = 5V, V _{OUT} = 3.0V, V _{CE} = V _{SS}		100		

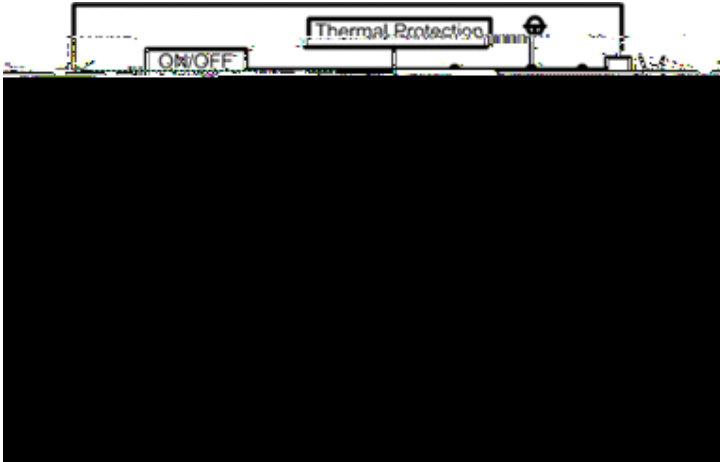
(1) V_{OUTgEh} Žÿ ß 9k V_{OUTgSh} — öfÿ ß 9

(2) ÿ µ ÿ ß 9 [#y i ¿ ú Ú ^ kÿ ß 9 V_{OUT} k Ú ä 'ÿ µ 9k+ ÿ ß 9 'zñ V_{OUT}*98% Ž k
ÿ µ 9yÿ ß 9 [›ož

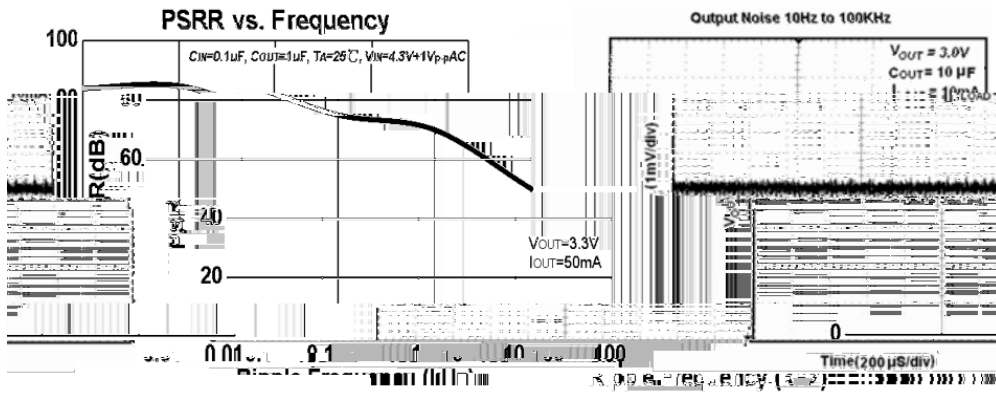
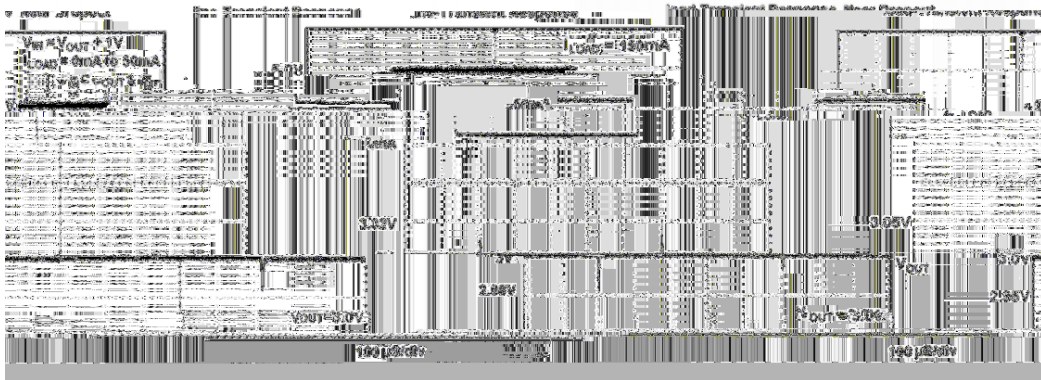
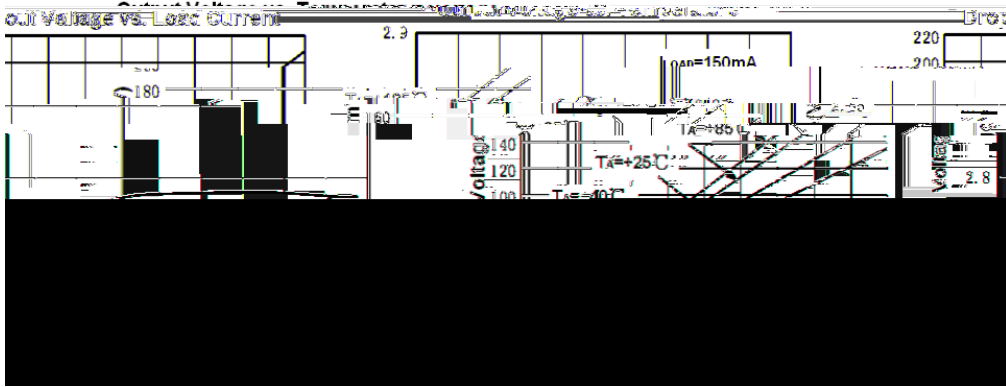
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Ô ? d • Ž ç + RKIZXOIGR) NGXGIZKXOYZOI) [X \ K



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蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

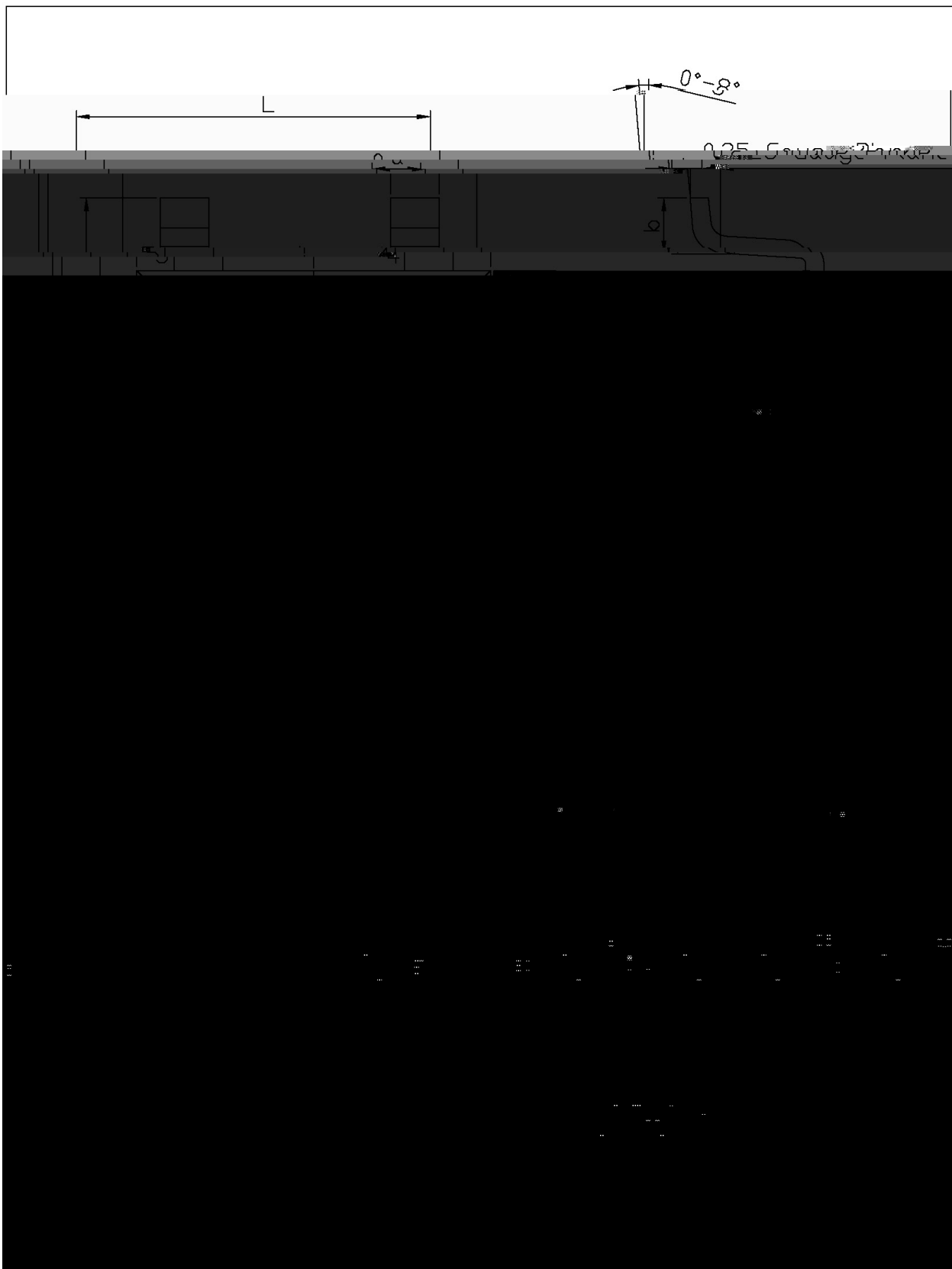
Ô ? d • Ž ç + RKIZXOIGR)NGXGIZKXOYZOI) [X\K



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Ø □ =) φ / Package Dimensions



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DATA SHEET

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šWD t...•Žϕ (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

^a ϕ y

1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;

2o• Q › “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

1.Preheating:150~180 - , Time:60~90sec.

2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ~ »] / Resistance to Soldering Heat Test Conditions

“ † y 260 r5 -

ž • y 10 r1 sec.

Temp.:260±5 00>û [•