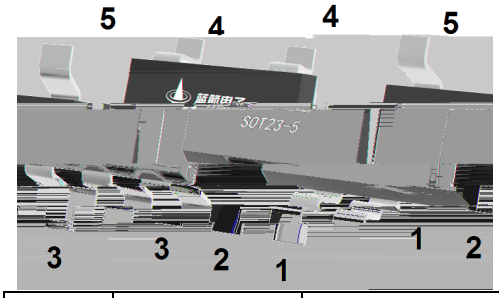
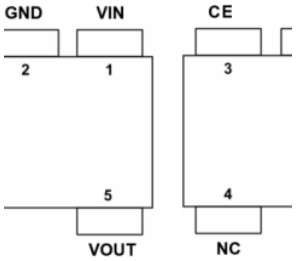
(8) 5 ' 3 + ©%² . Y) 3 5 9 W + ò - Ý ½ € •o• ä › ò Ao• z ™ Ò z 9 [¿ Å l 9 ˜ož
¿ â „ ä , € • Ô Å • V ¿ ú v f k ñ Y Ô ð ` … 9 ô 4 C 0 È D } ož

- z ÿ ß ™ Ò y 40uVrms g 10Hz~100kHz h
- z 9 [y 80mV@100mA
- ÿ ß v y 300mA
- z ² Á W • v y 35uA

• Û - æ / Pinning





–	d f		–	d f	
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

º Z	ÿ ß 9 (V)	- ~
BRCO2600AME-1.2	1.2	• - ~ ª ¢
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 ;)

@ ƒ	… Z	ƒ ›	% 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	1 2	KV
	Ñ ~ % ” g 3 3 h	1 200	V

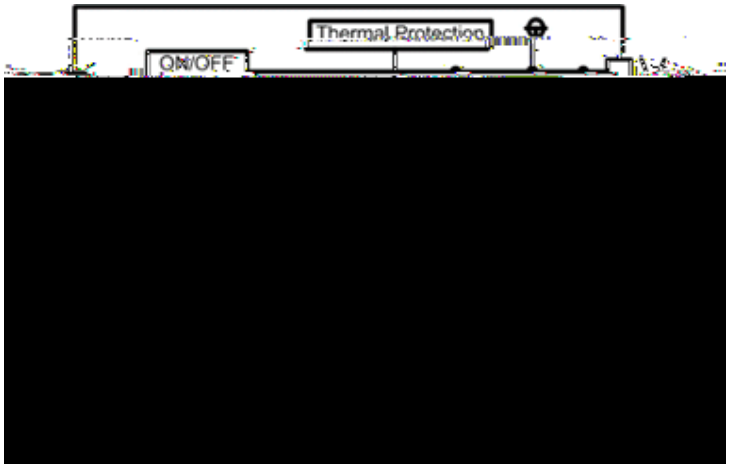
Ô4ì × ? d / Electrical Characteristics(T_A=25 ; , V_{IN}=V_{OUT}+1V, C_{IN}=C_{OUT}=1uF, unless otherwise specified)

@ ƒ	… Z	y ¡ Ú ^	Â 4 ›	Á º ›	Â Ý ›	% y
ÿ µ 9	V_{IN}	-	1.5		6.0	V
ÿ ß 9 g1 h	V_{OUT} g E h	I_{OUT}=1mA	V_{OUT} g S h *0.98	V_{OUT} g S h	V_{OUT}g S h *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 [g2 h	V_{dorop}	I_{OUT}=100mA V_{OUT} äS å •3.3V		80		mV
¿ ú ² … ä	¸ V_{load}	V_{IN}=V_{OUT} äS å+1V 1mA 0 I_{OUT} 0 100mA		10		mV
¿ Å ² … ä	¸ V_{OUT}/ (¸ V_{IN}*V_{OUT})	I_{OUT}=10mA V_{OUT} äS å+1V 0 V_{IN} 0 6V		0.01	0.2	%/V
ÿ ß 9 “ † © ƒ	¸ V_{OUT}/ (¸ T_A*V_{OUT})	I_{OUT}=10mA -40 0 T_A 0 f 85		50		ppm/
ÿ ß ? è v	Ishort	V_{OUT}=V_{SS}		120		mA
› ¼ f ò A	PSRR	I_{OUT}=50mA È f=100Hz		78		dB
		I_{OUT}=50mA È f=1kHz		85		
		I_{OUT}=50mA È f=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_{OUT} g E h Ž ÿ ß 9 k V_{OUT} g S h — ö f ÿ ß 9

(2) ÿ µ ÿ ß 9 [# y ¡ ¿ ú Ú ^ k ÿ ß 9 V_{OUT} k Ù ã ‘ ÿ µ 9 k + ÿ ß 9 ‘ z ñ V_{OUT}*98% ž k ÿ µ 9 y ÿ ß 9 [›ož

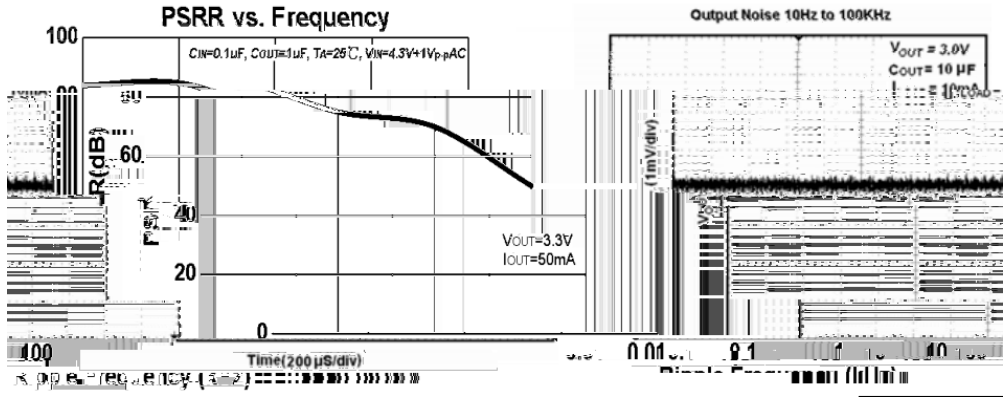
×ä¢ ,[TIZOUTR (RUIQ *OGMXGS



Ô?d•Ž¢ +RKIZXOIGR)NGXGIZKXOYZOI)[X\K



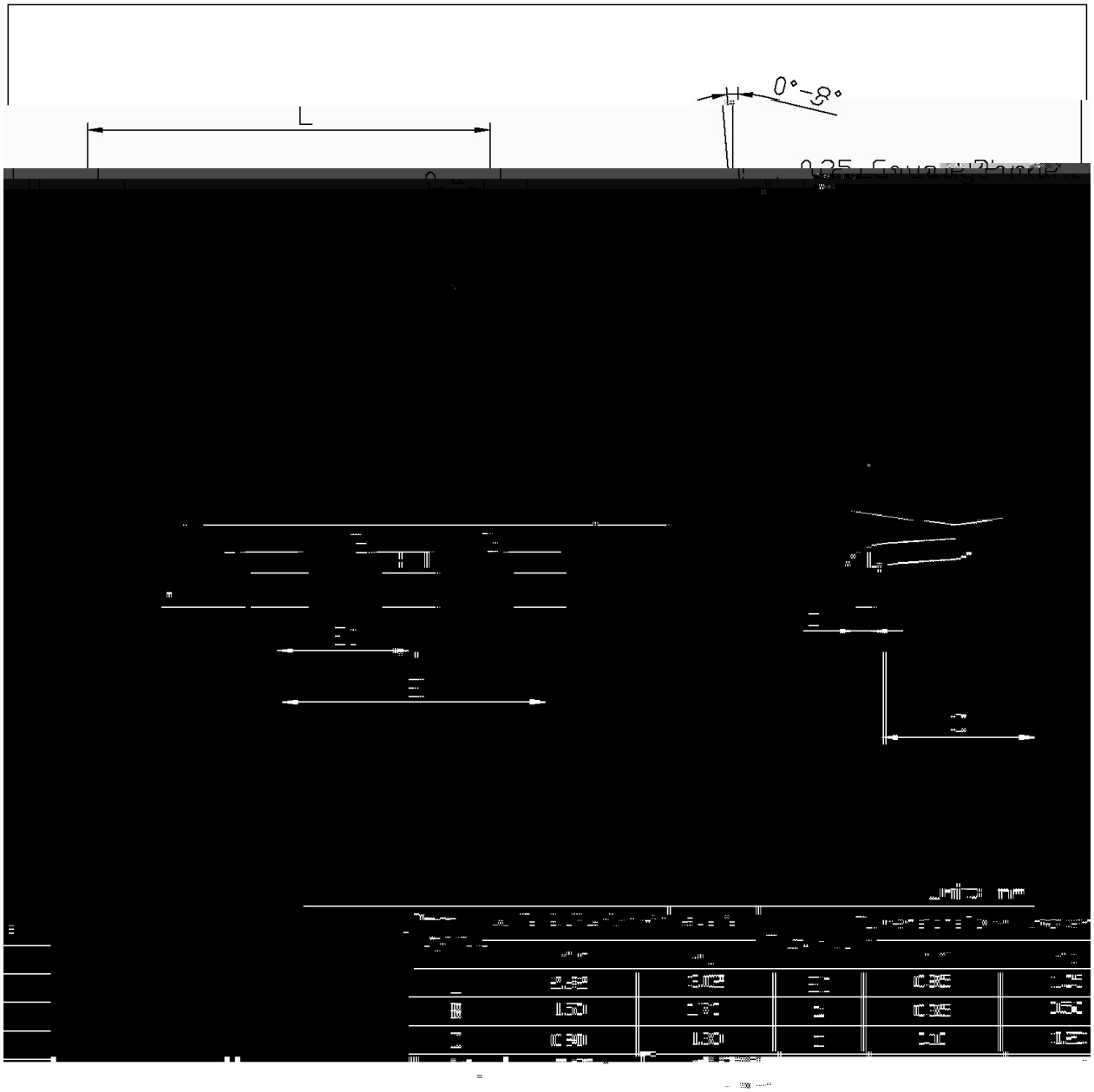




Ô ? d • Ž ¢ + R K I Z X O I G R) N G X G I Z K X O Y Z O I) [X \ K



Ø ¤ =) ¢ / Package Dimensions



š WD t … • Ž ¢ **(** x / **)** ***/*** : K S V K X G Z [X K 6 X U L O R K L U X / 8 8 K L R U] 9 U R J K X O T M 6

ª ¢ y

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

2o• Q › “ † 245 r 5 - k ž • 4 Ò 5 r 0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

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

2.Peak Temp.:245 r 5 - , Duration:5 r 0.5sec.

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

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

“ † y 260 r 5 - ž • y 10 r 1 sec. Temp.:260±5 0O>û [•