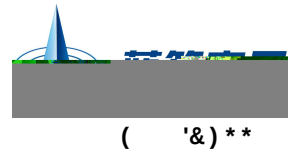


修订记录 '\$' + , -. / , 0'1, 2310' '

E	2016-3				
A	2022-8-22	all	BAT54W/AW/CW/SW BAT54WA/AWA/CWA/SWA		

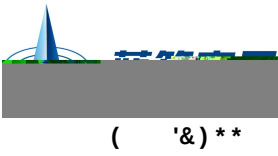
!"# \$ # \$%# \$&# '
Rev.A Aug.-2022



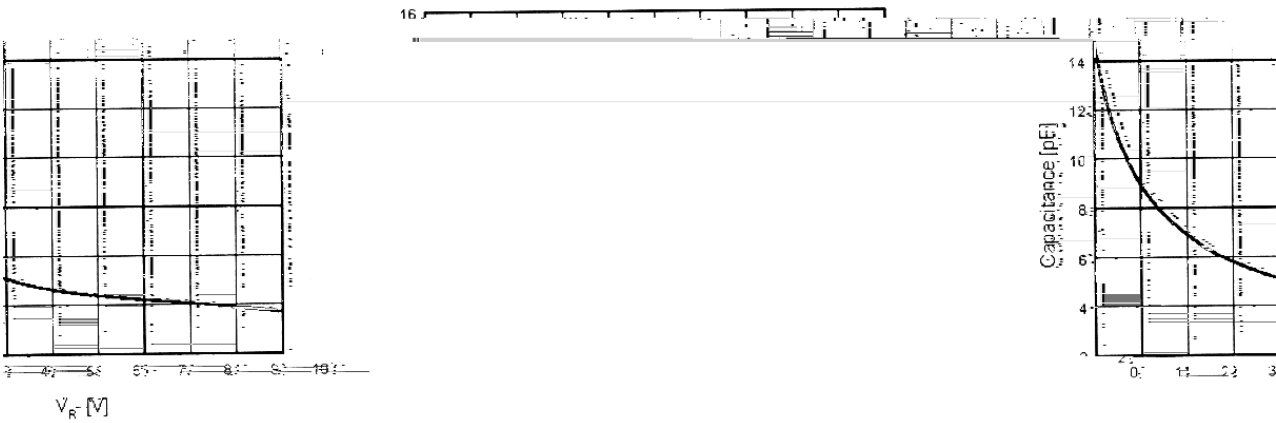
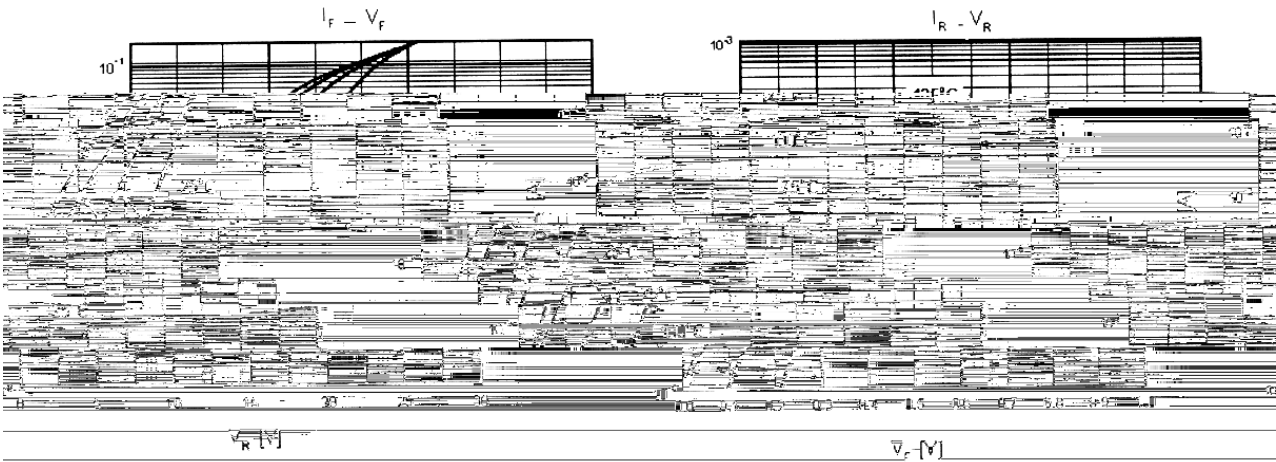
SOT-323

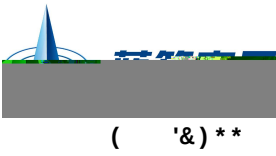
Parameter	Symbol	Rating	Unit
Repetitive Reverse Voltage	V_{RRM}	30	V
Average Rectified Forward Current	$I_{F(AV)}$	300	mA
Non-repetitive Peak Forward Surge Current	I_{FSM}	1	A
Power Dissipation	P_{tot}	230	mW
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	550	$^{\circ}C/W$
Junction Temperature	T_j	150	$^{\circ}C$
Storage Temperature Range	T_{stg}	-55~150	$^{\circ}C$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Breakdown Voltage	V_R	$I_R=10\mu A$	30			V
Forward Voltage	V_F	$I_F=0.1mA$			240	mV
		$I_F=1mA$			320	mV
		$I_F=10mA$			400	mV
		$I_F=30mA$			500	mV
		$I_F=100mA$			0.9	V
Instantaneous Reverse Current	I_R	$V_R=30V \quad T_a=25^{\circ}C$			1	μA
Total Capacitance		$V_R=30V \quad T_a=100^{\circ}C$			100	μA
Total Capacitance	C_T	$V_R=1V \quad f=1MHz$			10	pF
Reverse Recovery Time	t_{rr}	$I_F=I_R=10mA \quad I_{RR}=1mA$ $R_L=100\Omega$			5	ns



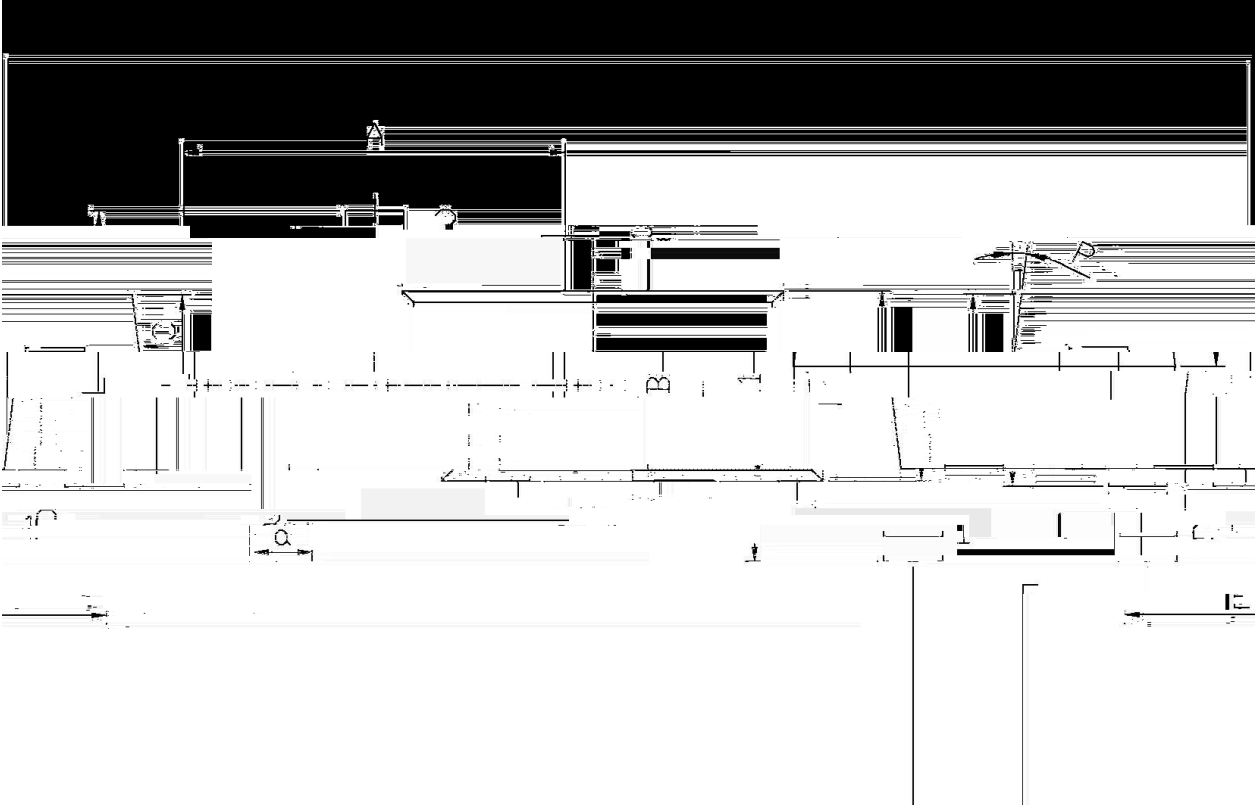
电参数曲线图' '\$' ' *9,2;1.289% I8182;,1./;2'%71- ,'





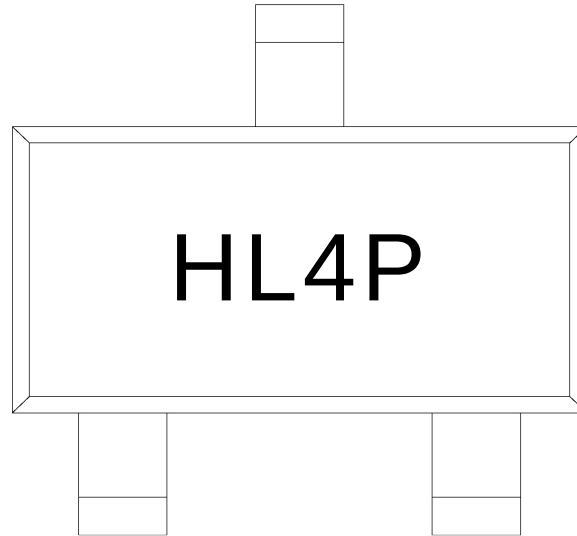
外形尺寸图' '\$ ' A82=8>,' (.E,:/3:/'

SOT-323 单位; mm



Dimensions In Millimeters			Dimensions In Millimeters		
Symbol	Min	Max	Symbol	Min	Max
A	1.95	2.35	C	0.30	
L	2.00	2.2	L1	0.85	
E	1.20	1.40	a	0.20	
B	1.15	1.35	p		

印章说明 ' '\$ ' <81=.:>'K: /;172;.3: /'



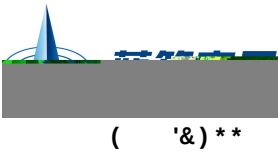
H

L4P

Note:

H: Company Code

L4P: Product Type



回流焊温度曲线图无铅 Temperature Profile for IR Reflow Soldering(Pb-Free)



- 1

150 180

60 90sec;
- 2

245±5

5±0.5sec;
- 3

2 10°C/sec.
- Note:

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

2.Peak Temp.:245±5°C, Duration:5±0.5sec.

3. Cooling Speed: 2~10°C/sec.

耐焊接热试验条件 Solderability Test Condition

260±5°C 10±1 sec. Temp.:260±5°C Time:10±1 sec

包装规格 Packaging Specification

/ REEL

Package Type	Units/Reel 只/卷盘	Reels/	Units	Dimension (unit mm ³)
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