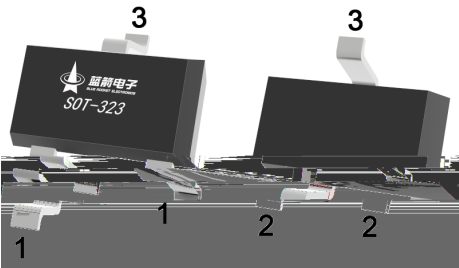


VRW0656 QSQ
Silicon NPN Digital transistor in a SOT-323 Plastic Package.

With built-in bias resistors, simplify circuit design, reduce a quantity of parts and manufacturing process,HF Product.

Vzlwfkqlj dssolfdwlrqv/ lqwhuidfh flufxlw dqg gulyhu flufxlw dssolfdwlrqv!

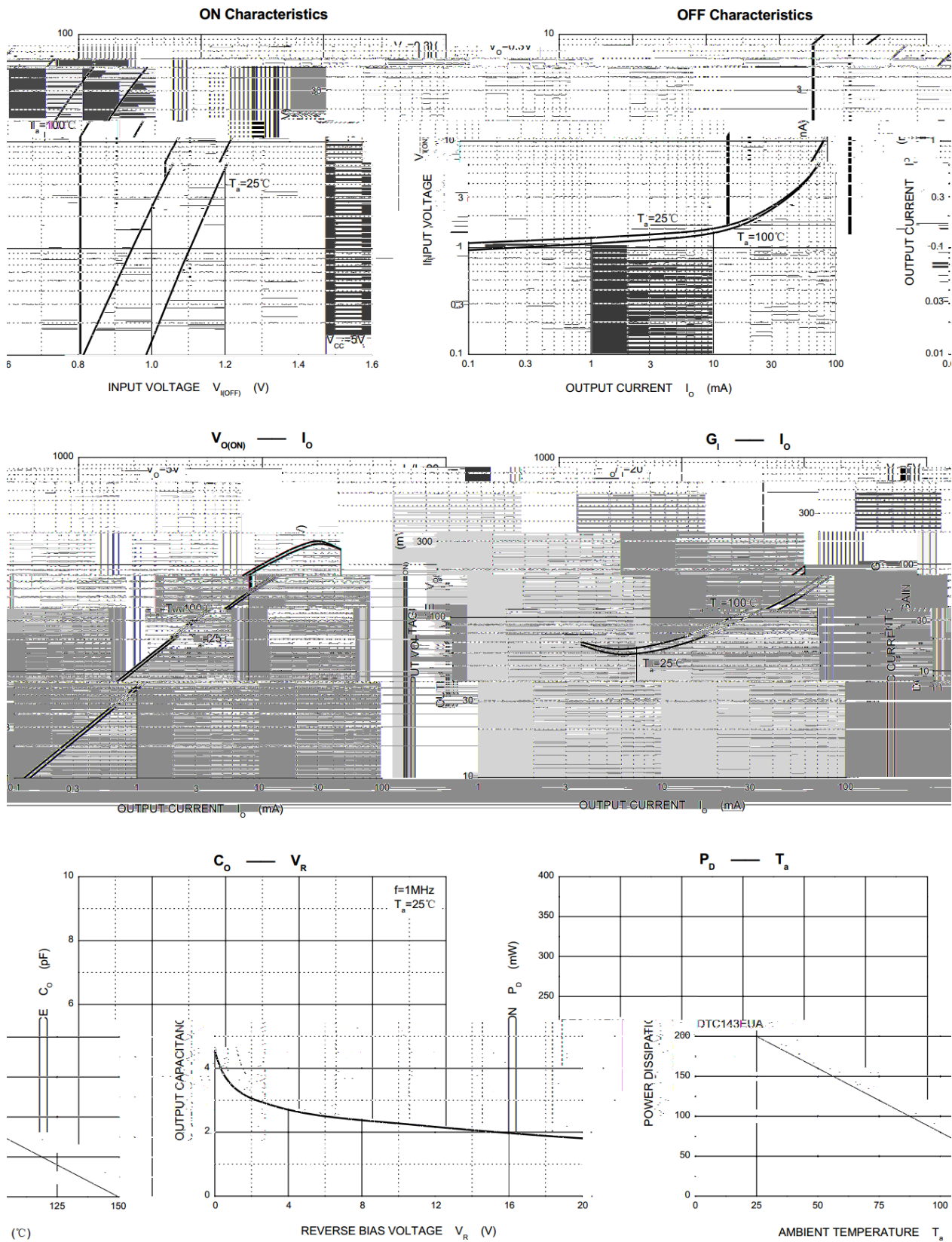


PIN 1 IN PIN 2 GND PIN 3 OUT

Marking	H23
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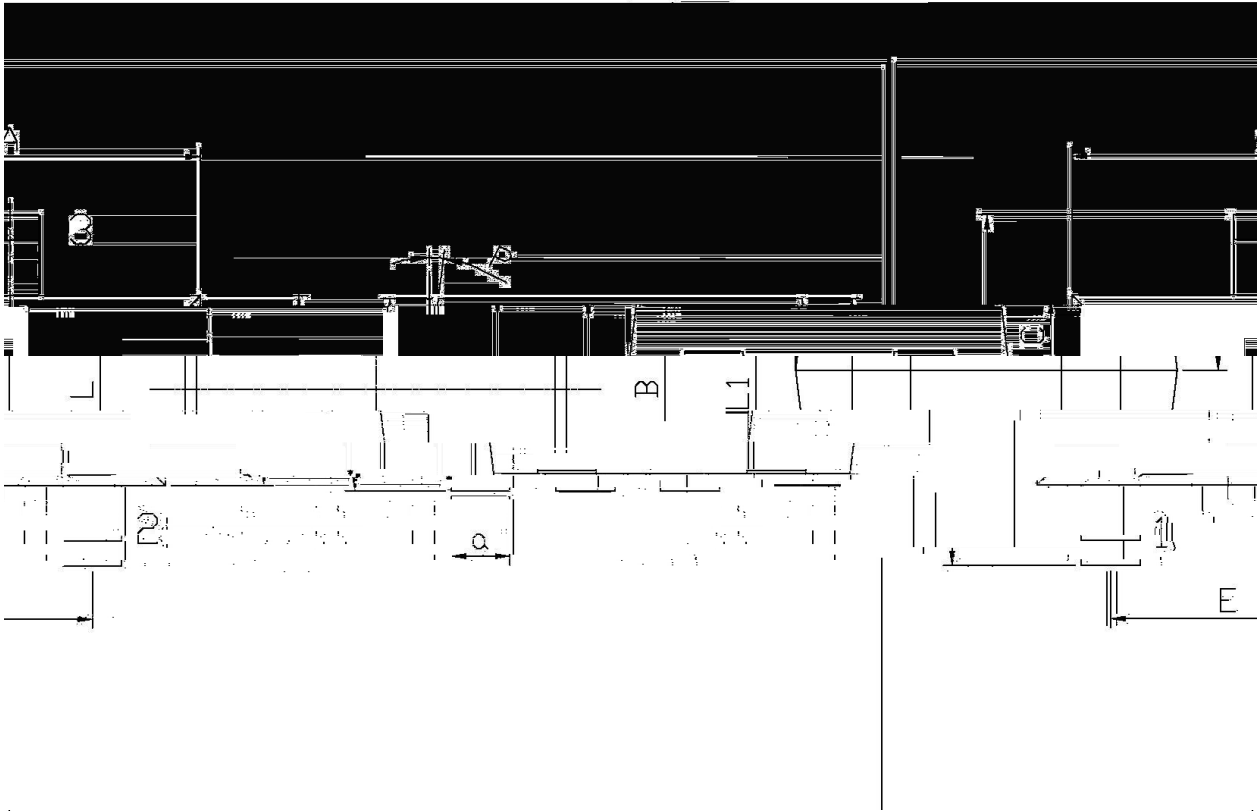
Parameter	Symbol	Rating	Unit
Supply Voltage	V _{CC}	50	V
Input Voltage	V _{IN}	-10~30	V
Output Current	I _O	100	mA
Power Dissipation	P _D	200	mW
Junction Temperature	T _j	150	
Storage Temperature Range	T _{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Input Voltage(OFF)	V _{I(off)}	V _{CC} =5.0V I _O =0.1mA	0.5			V
Input Voltage(ON)	V _{I(on)}	V _O =0.3V I _O =20mA			3.0	V
Output Voltage	V _{O(on)}	I _O =10mA I _I =0.5mA		0.1	0.3	V
Input Current	I _I	V _I =5.0V			1.8	mA
Output Cut-off Current	I _{O(off)}	V _{CC} =50V V _I =0			0.5	μA
DC Current Gain	G _I	V _O =5.0V I _O =10mA	20			
Transition Frequency	f _T	V _{CE} =10V I _E =-5.0mA f=100MHz		250		MHz
Resistance1	R ₁		3.29	4.7	6.11	KΩ
Resistance Ratio	R ₂ /R ₁		0.8	1.0	1.2	

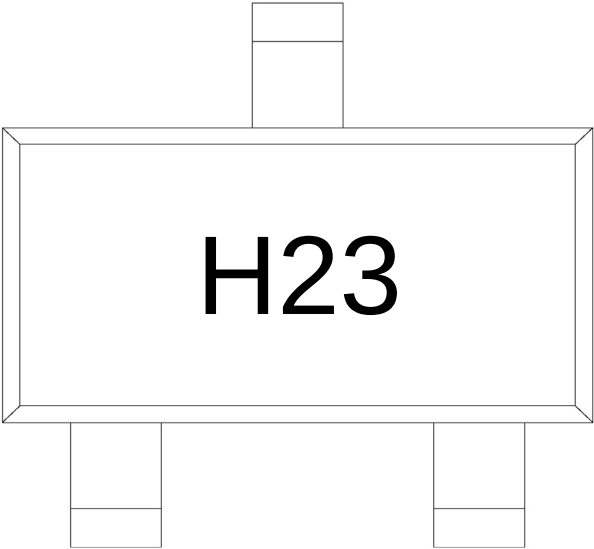


SNT-323

单位: mm



Symbol		Dimensions In Millimeters		Symbol		Dimensions In Millimeters	
Min	Max	Min	Max	Min	Max	Min	Max
1.95	2.35	C	0.30	0.50	A		
2.00	2.2	L	0.85	1.15			
1.20	1.40	a	0.20	0.40			
B	1.15	P	7°				



K

23

Note:

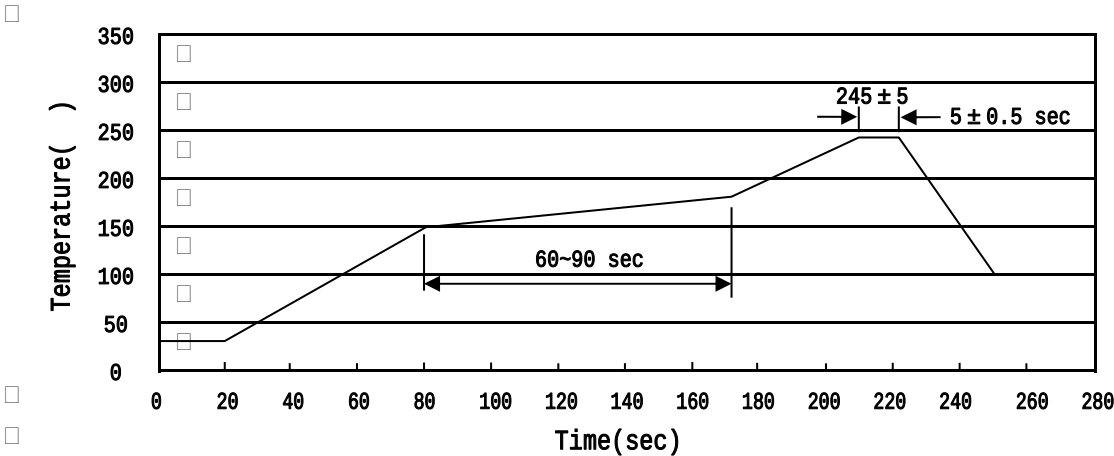
K

Company Code

23

Product Type Code

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- 1

150 180%

60 90sec;

1.Preheating:150~180%, Time:60~90sec.
- 2

245 ± 5%

5 ± 0.5sec;

2.Peak Temp.:245 ± 5%, Duration:5 ± 0.5sec.
- 3

2 10%/sec.

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

260 ± 5% 10 ± 1 sec. Temp.:260±5 Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SOT-323	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205