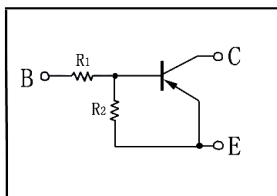


Silicon PNP Digital transistor in a SOT-23 Plastic Package.

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

Switching, inverter circuit, interface circuit and driver circuit applications.

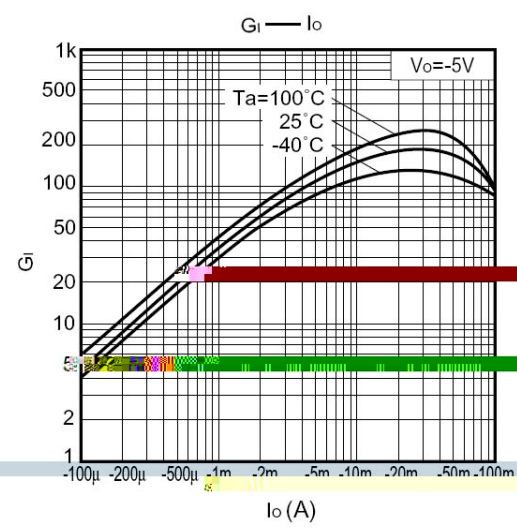
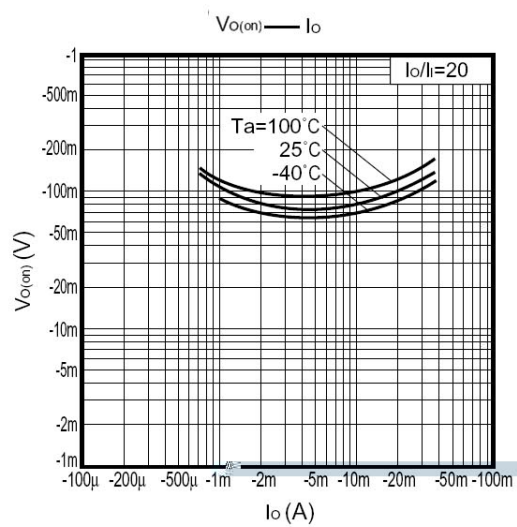
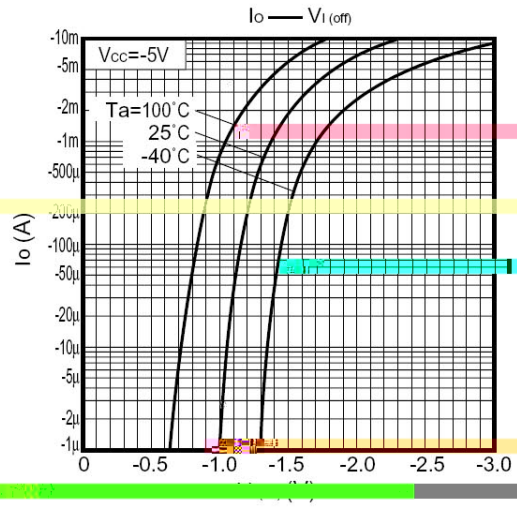
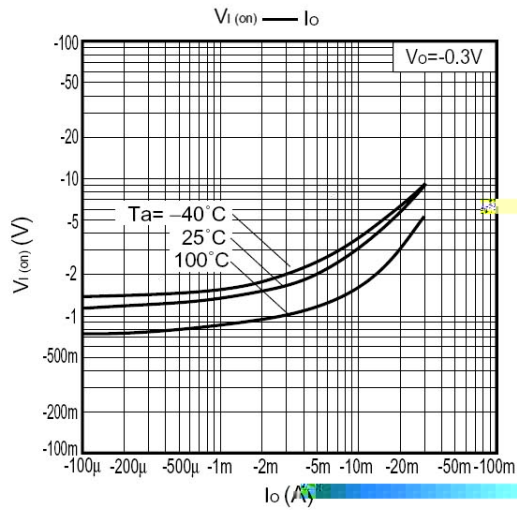


PIN 1 Base PIN 2 Emitter PIN 3 Collector

Marking	H15
---------	-----

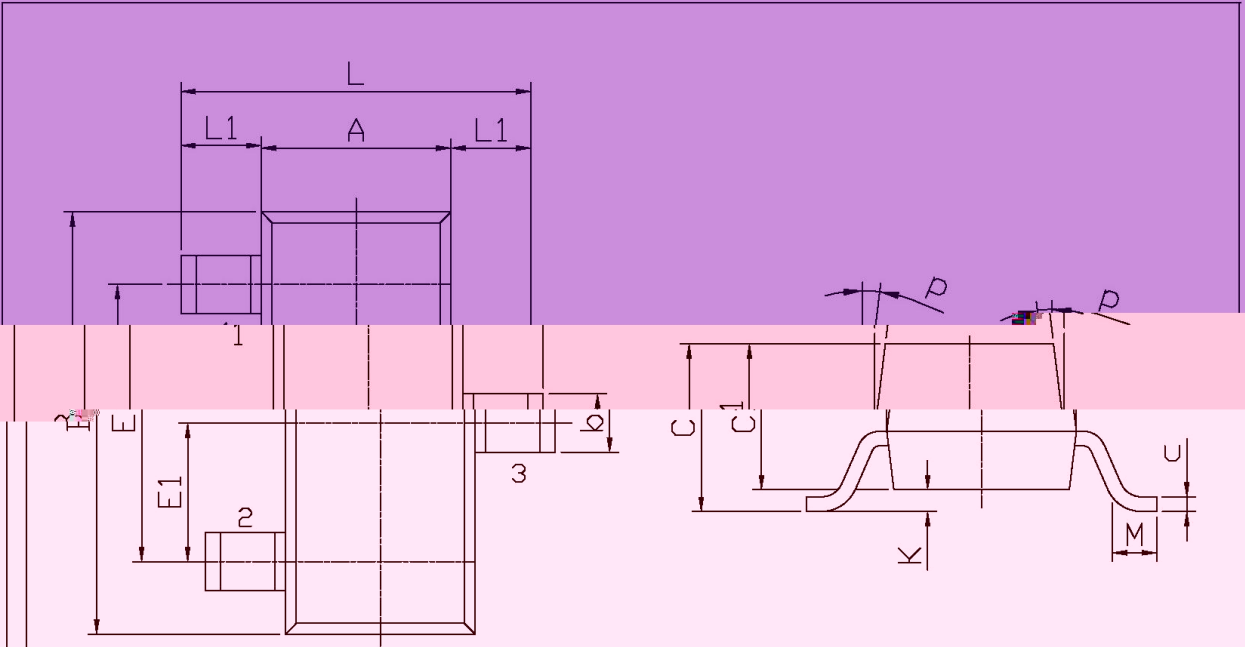
Parameter	Symbol	Rating	Unit
Output Voltage	V_{CC}	-50	V
Input Voltage	V_{IN}	-40	V
		10	V
Output Current	I_C	-30	mA
	I_O	-100	mA
Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Input Voltage(OFF)	$V_{I(off)}$	$V_{CC}=-5.0V$ $I_O=-100$ A			-0.5	V
Input Voltage(ON)	$V_{I(on)}$	$V_O=-0.2V$ $I_O=-5.0mA$	-3.0			V
Output Voltage	$V_{O(on)}$	$I_O=-10mA$ $I_I=-0.5mA$		-0.1	-0.3	V
Input Current	I_I	$V_I=-5.0V$			-0.36	mA
Output Cut-off Current	$I_{O(off)}$	$V_{CC}=-50V$ $V_I=0V$			-0.5	μA
DC Current Gain	G_I	$V_O=-5.0V$ $I_O=-5.0mA$	56			
Transition Frequency	f_T	$V_{CE}=-10V$ $I_E=5.0$ mA $f=100MHz$		250		MHz
Resistance1	R_1		15.4	22	28.6	K Ω
Resistance Ratio	R_2/R_1		0.8	1	1.2	



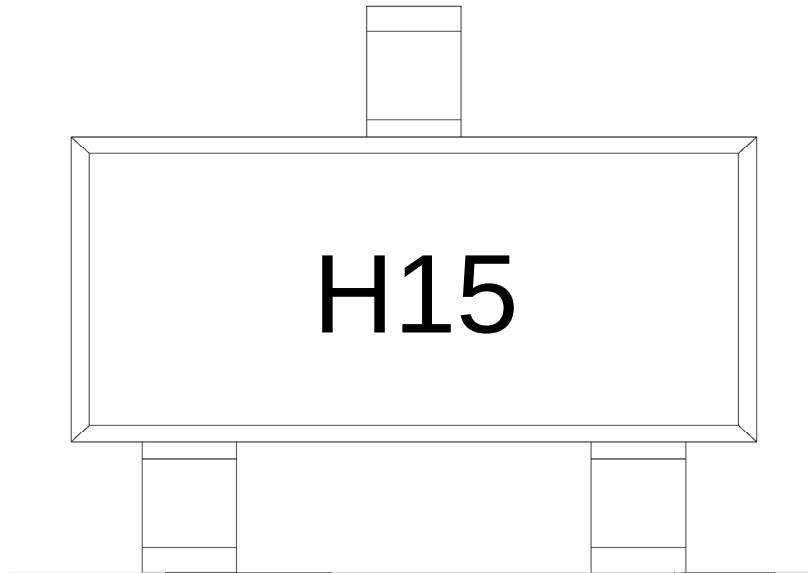
SOT-23

单位: mm



Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
L	2.2	2.7	C	1.30Max	
L1	0.45	0.65	C1	0.35	

A	1.15	1.50	c	0.05	0.20
B	2.70	2.90	K	0	0.10
E	1.70	2.10	M	0.20MIN	
E1	0.85	1.05	P	7°	
b	0.35	0.55			



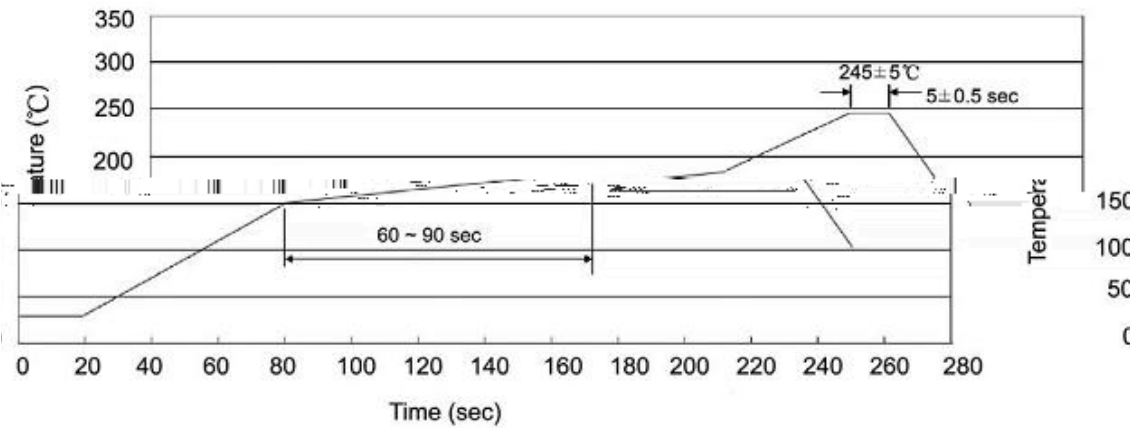
15

Note:

Company Code

15

Product Type Code



Note:

- 1

150 180

60 90sec;

2

245 5

5 0.5sec;

3

2 10

/sec.
- 1.Preheating:150~180

, Time:60~90sec.

2.Peak Temp.:245 5

, Duration:5 0.5sec.

3. Cooling Speed: 2~10

/sec.

260 5

10 1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOT-23	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205