

/ Descriptions

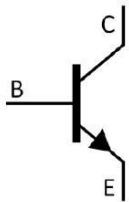
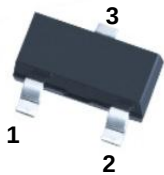
Silicon NPN transistor in a SOT-23 Plastic Package.

/ Features

Complementary to MMBTA56.

/ Applications

Ideal for medium power amplification and switching.

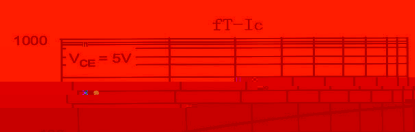
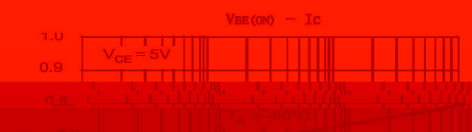
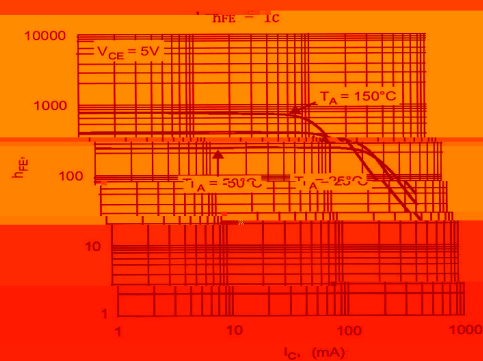
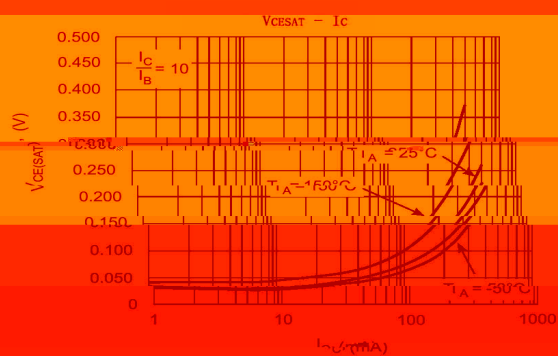
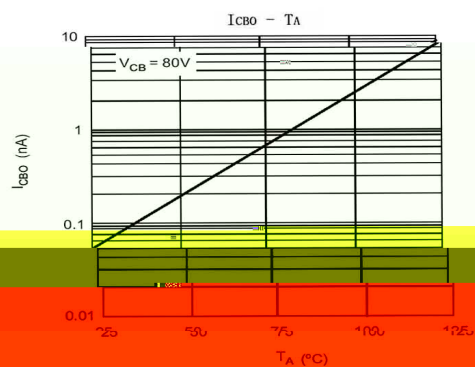
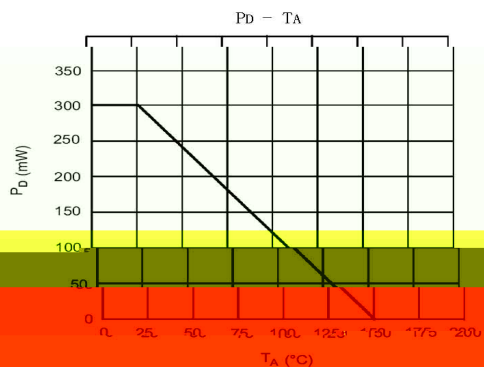
/ Equivalent Circuit**/ Pinning**

PIN1 Base PIN 2 Emitter PIN 3 Collector

/ Marking

h_{FE} Range	100~300
Marking	HK1G

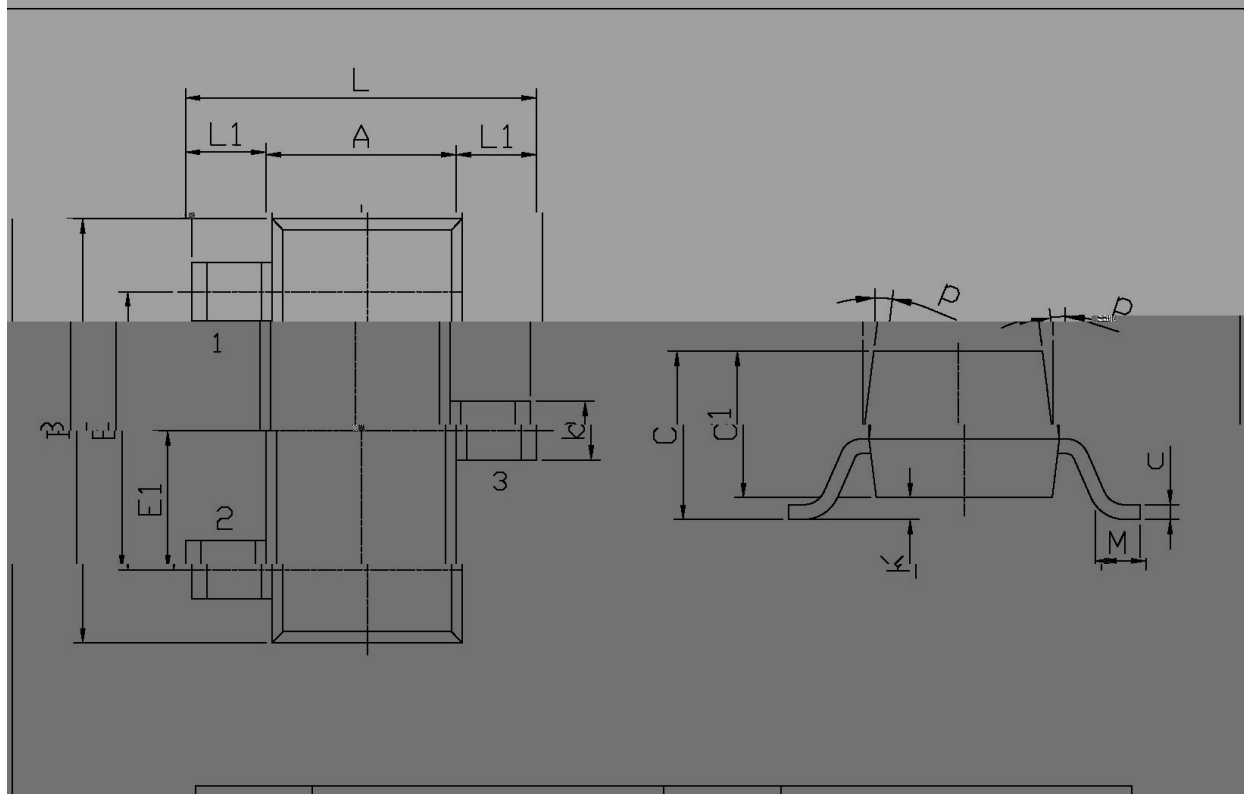
Electrical Characteristic Curve



/ Package Dimensions

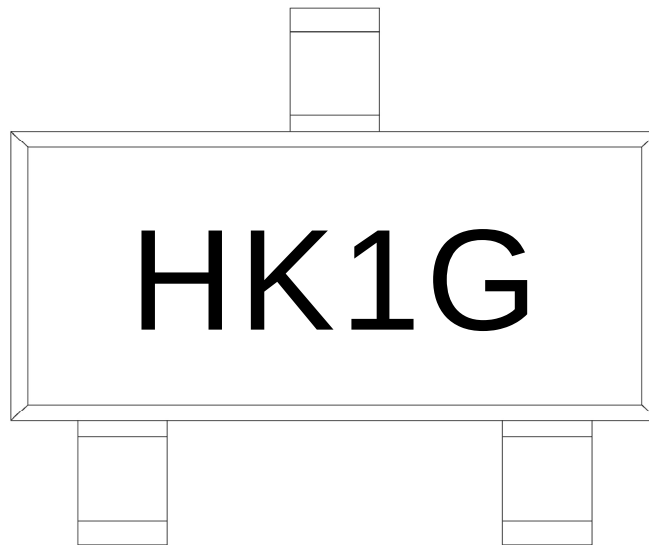
SOT-23

单位; mm



Dimensions In Millimeters			Dimensions In Millimeters		
Symbol	Min	Max	Symbol	Min	Max
L	2.2	2.7	C	0.90	1.20
L1	0.45	0.65	C1	0.90	1.20
A	1.15	1.50	c	0.05	0.20
B	2.70	3.10	K	0	0.10
E	1.70	2.10	M	0.20MIN	
E1	0.85	1.05	P	7°	
b	0.35	0.55			

/ Marking Instructions



H

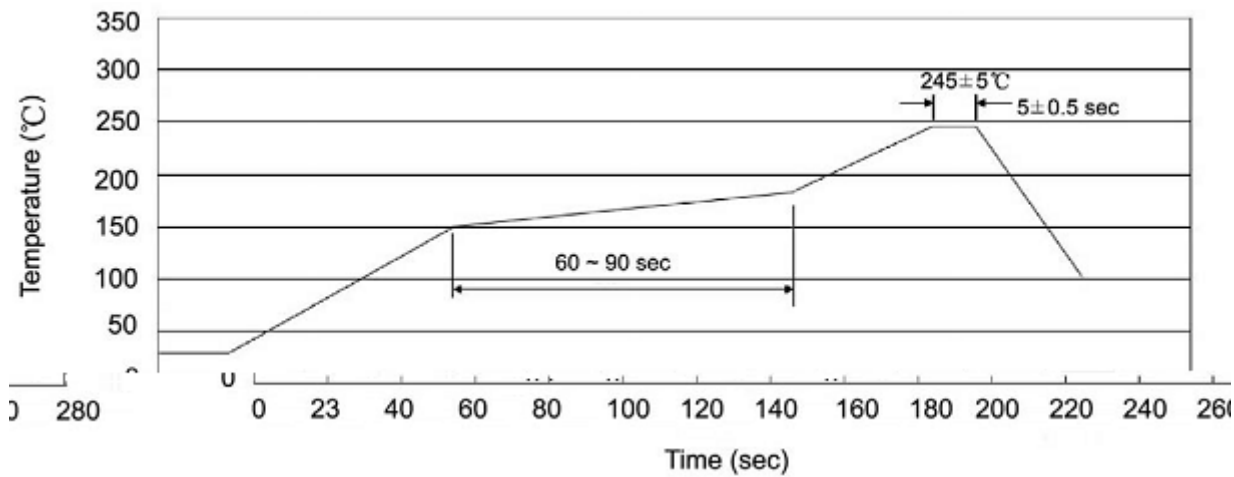
K1G

Note:

H: Company Code.

K1G: Product Type Code.

() /



Note:

- 1

25 150

60 90sec;

1.Preheating:25~150 , 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.

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 卷盘	卷盘 盒	只 盒	盒 箱	只 箱		盒	箱
						"		

/ Notices