/ Descriptions

SOT-223 PNP Silicon PNP transistor in a SOT-223 Plastic Package.

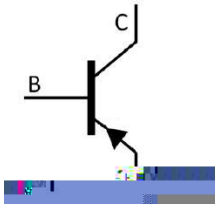
/ Features

High current,Low voltage.

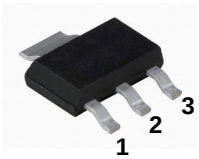
/ Applications

Medium Power Switching or Amplification Applications .

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	10	16
h_{FE} Range	63~160	100~250

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-100	V
Collector to Emitter Voltage	V_{CEO}	-80	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-1.0	A
Peak Pul[O9e 1 Tf6.38.00004 D-8(A)tin)-502 0ous		IC	

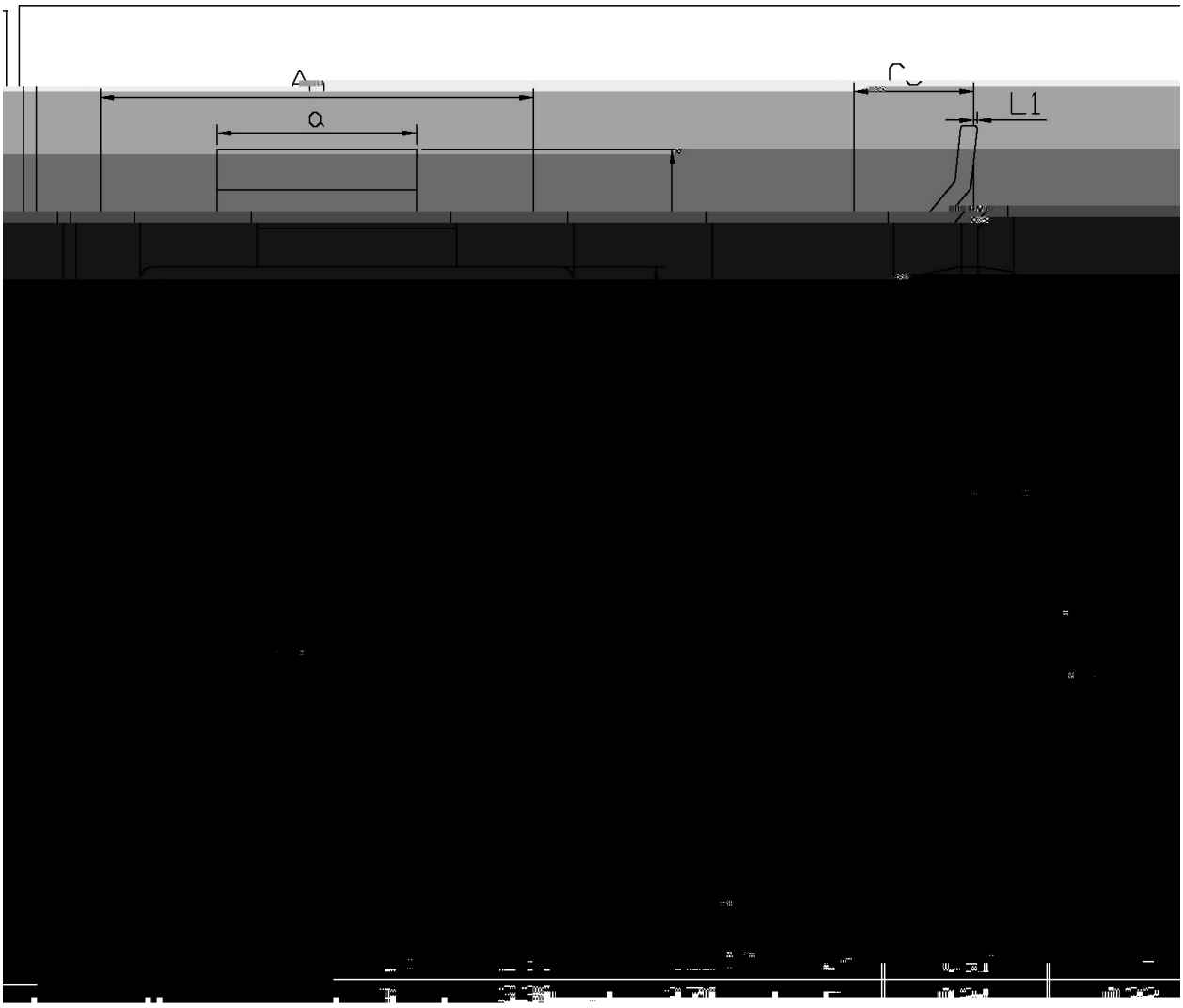
/ Electrical Characteristic Curve



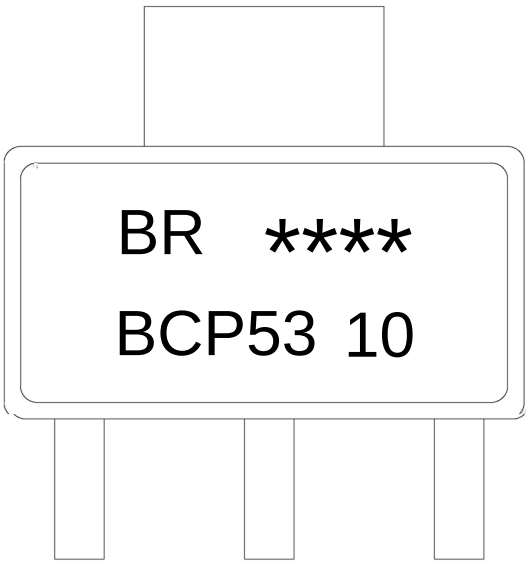
/ Package Dimensions

SOT-223

单位：mm



/ Marking Instructions



BR

BCP53

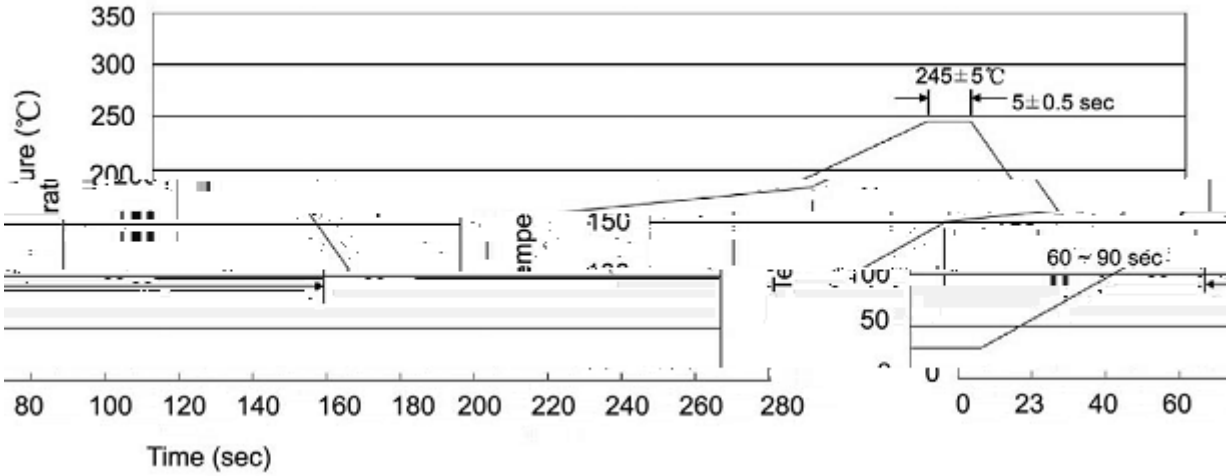
10 h_{FE}

****

Note:

BR:	Company Code.
BCP53:	Product Type.
10:	h_{FE} Classifications Symbol
****:	Lot No. Code, code change with Lot No.

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



					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