

/ Descriptions

TO-220 PNP Silicon PNP transistor in a TO-220 Plastic Package.

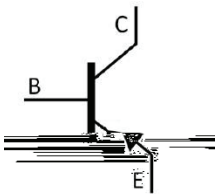
/ Features

Low collector saturation voltage, high speed switching time, complementary to 2SC2562.

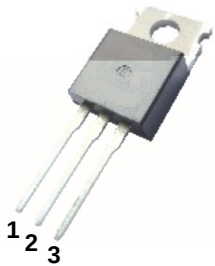
/ Applications

High current switching applications.

/ Equivalent Circuit



/ Pinning



PIN1	Base	PIN 2	Collector	PIN 3	Emitter
------	------	-------	-----------	-------	---------

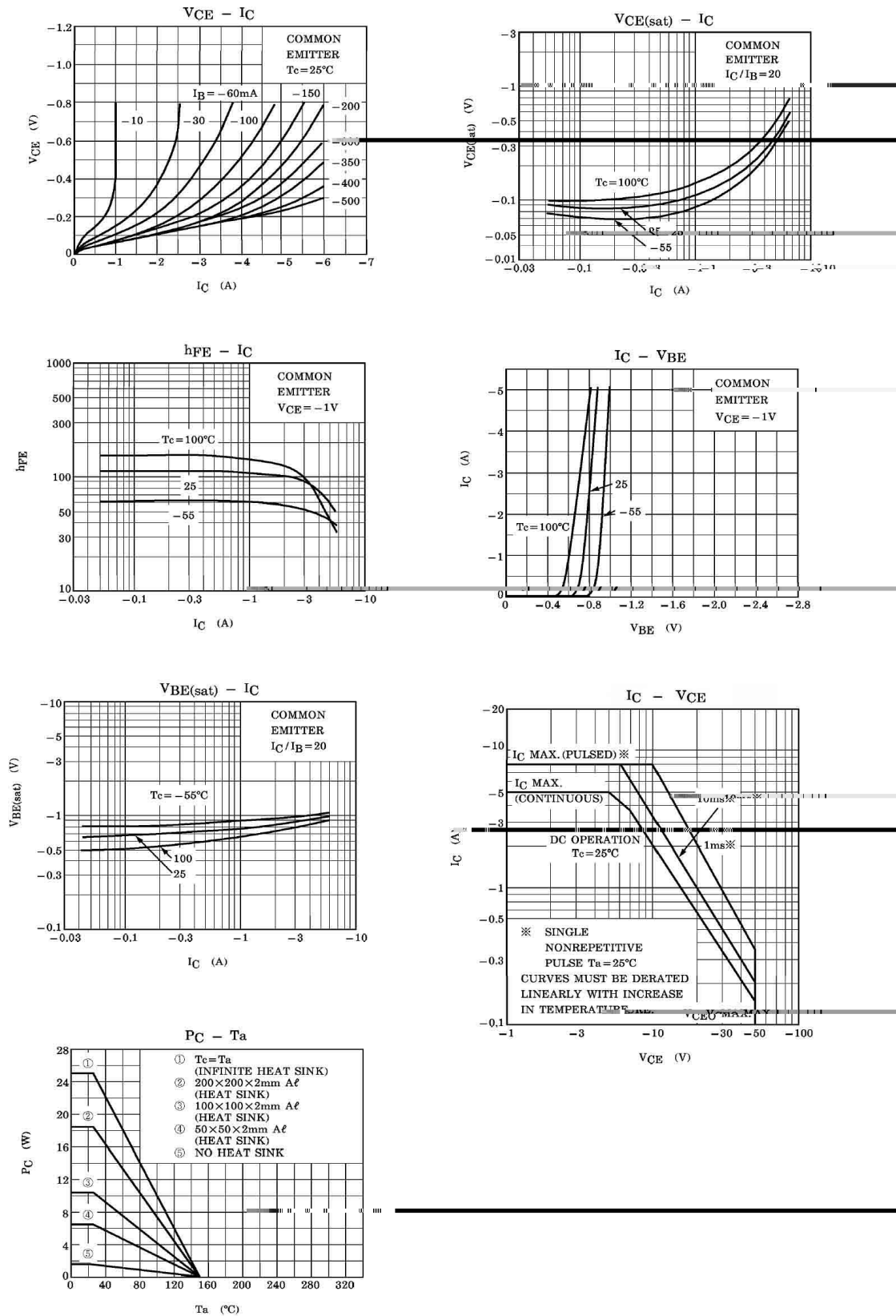
/ h_{FE} Classifications & Marking

h _{FE} Classifications Symbol	O	Y
h _{FE} Range	70~140	120~240

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-60	V
Collector to Emitter Voltage	V_{CEO}	-50	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-5.0	A
Collector Power Dissipation	P_C	2.0	W
	$P_C(T_C=25^{\circ}C)$	25	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55~150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown V						

/ Electrical Characteristic Curve

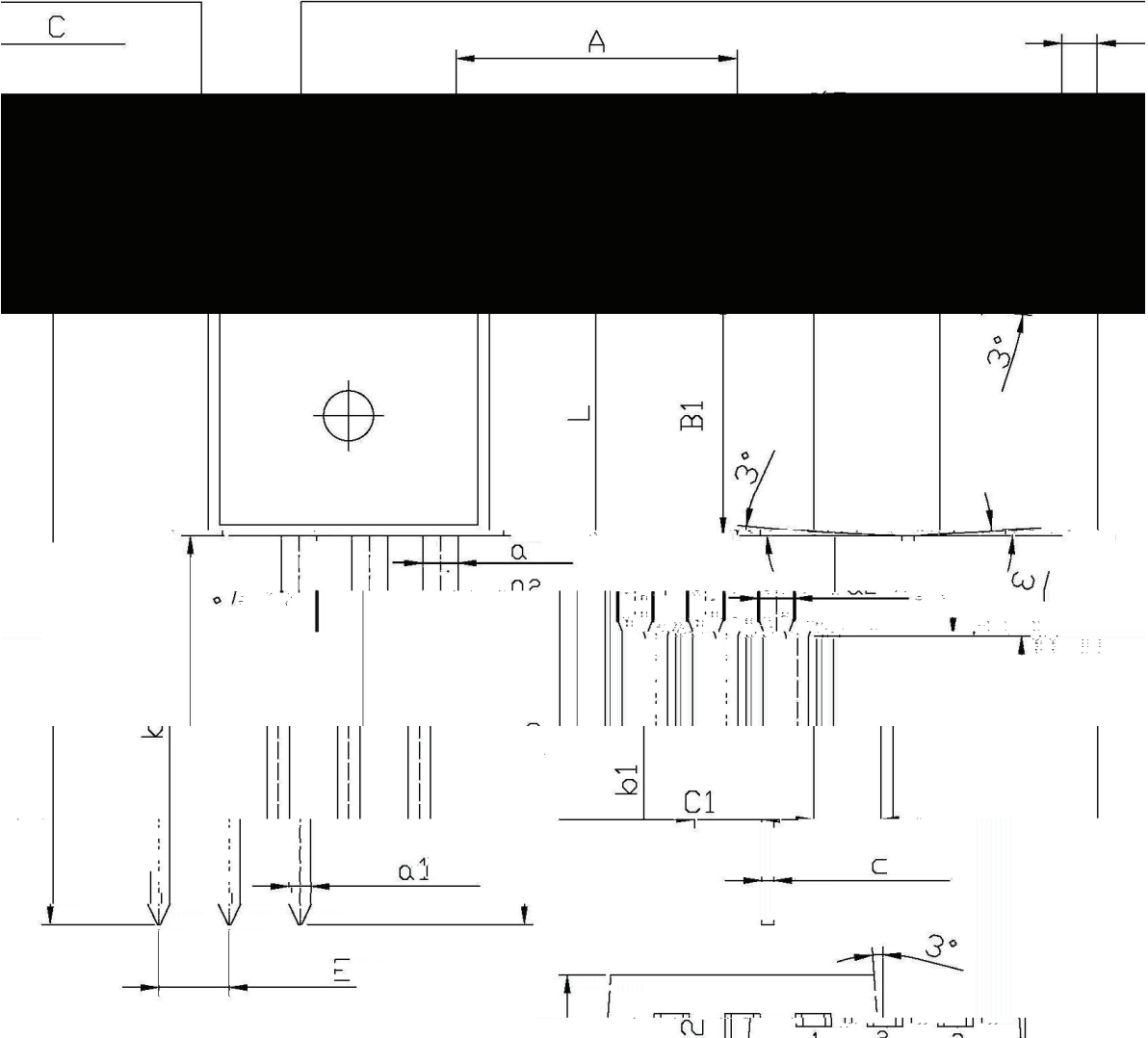


/ Package Dimensions

mm

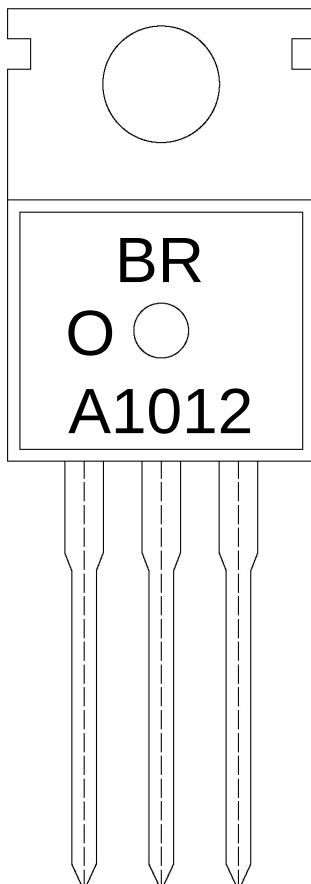
TO-220

单位:



Dimensions in mils			Dimensions in millimeters		
Symbol	Min	Max	Symbol	Min	Max
1.4			9.8	10.2	12.4
6.7			3.56	3.64	6.3
15.7		16.1	B1	9.07	9.4
12.6		13.0	a	2.2	2.6
1.22		1.32			0.4
1.02		1.25			1.45

/ Marking Instructions



BR

A1012

O: h_{FE}

Note:

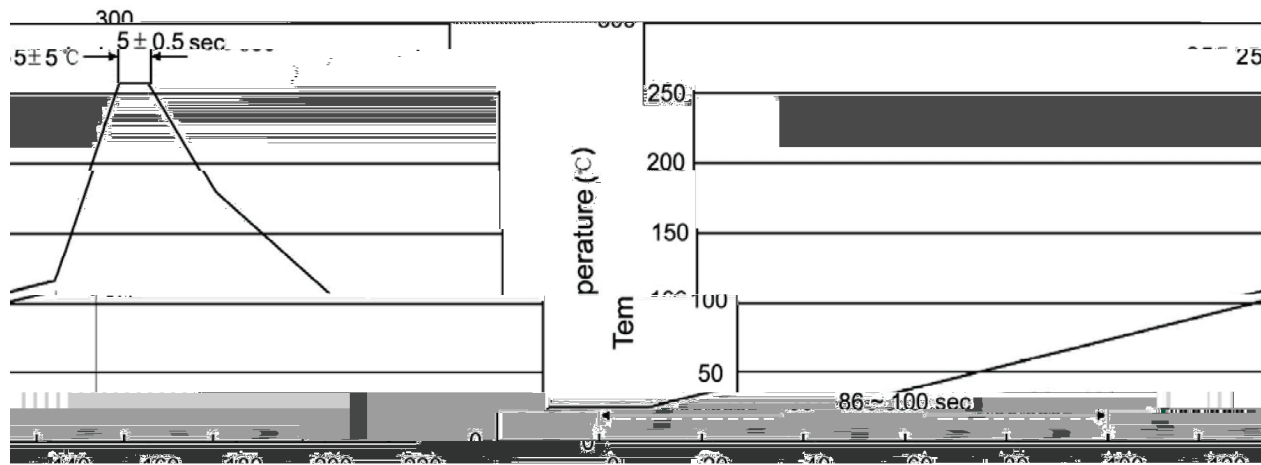
BR: Company Code

A1012: Product Type.

O: h_{FE} Classifications Symbol

****: Lot No. Code, code change with Lot No.

() / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10 /sec.
- 1.Preheating:25~150

, Time:60~90sec.
- 2.Peak Temp.:255±5

, Duration:5±0.5sec.
3. Cooling Speed: 2~10

/sec.

/ Resistance to Soldering Heat Test Conditions

270±5

10±1 sec.

Temp.:270±5

Time:10±1 sec

/ Packaging SPEC.

/ BULK

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