

/ Descriptions

Silicon PNP transistor in a TO-220 Plastic Package.

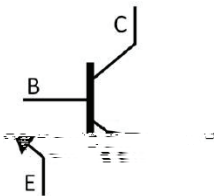
/ Features

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

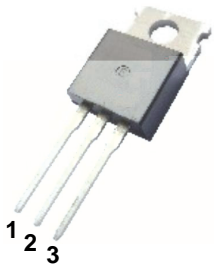
/ Applications

High current switching applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

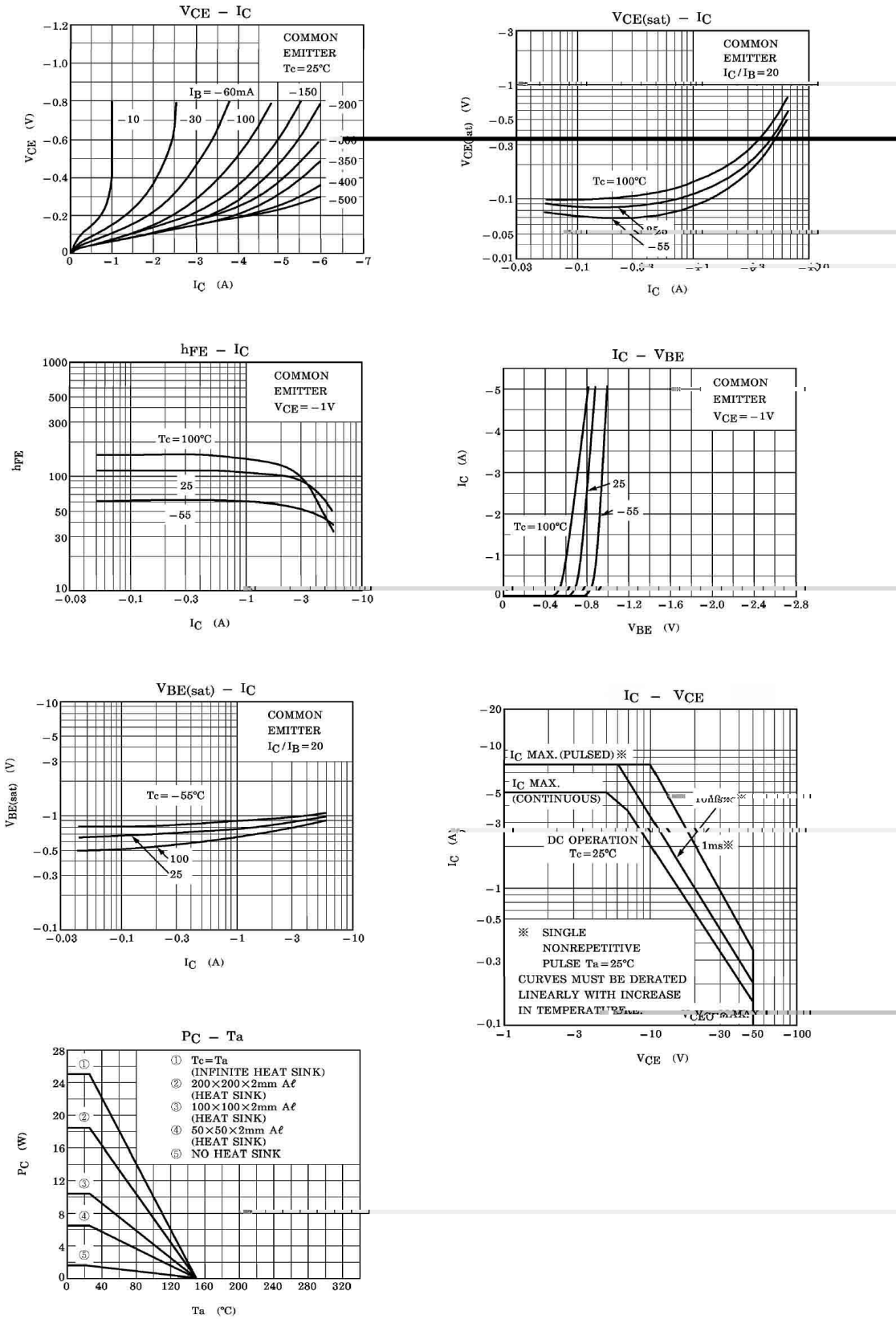
/ h_{FE} Classifications & Marking

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	

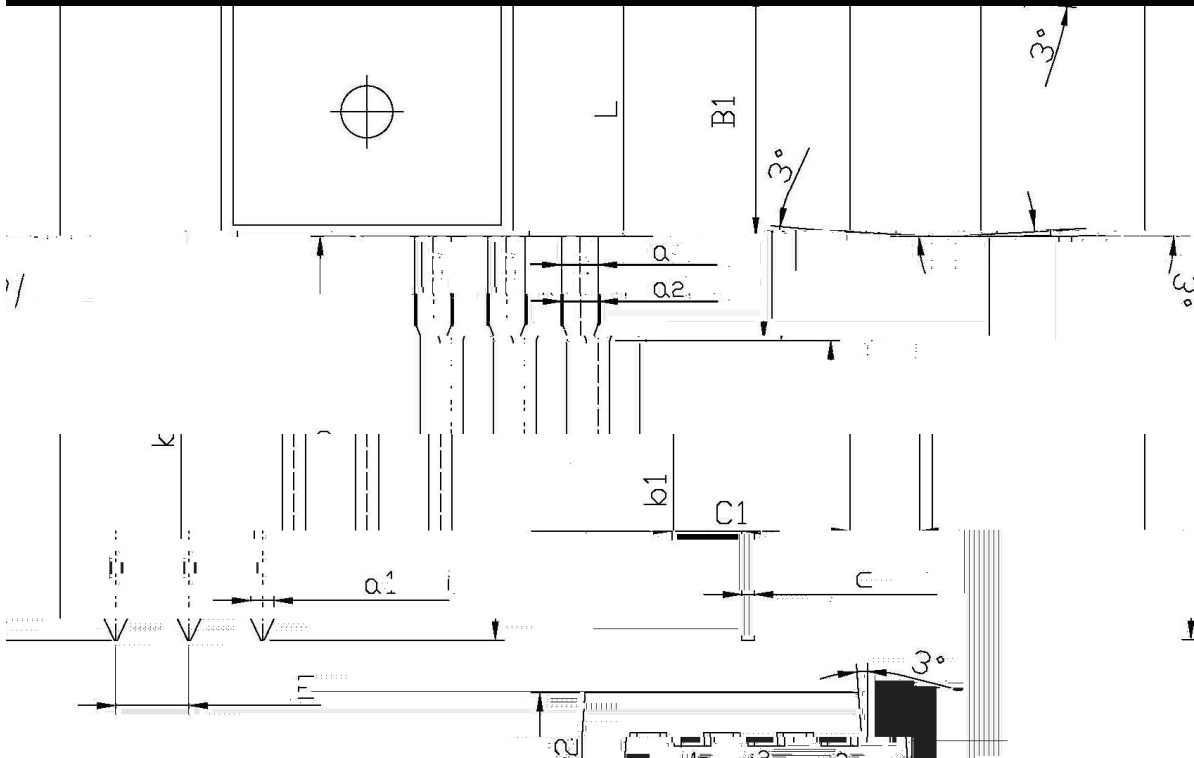
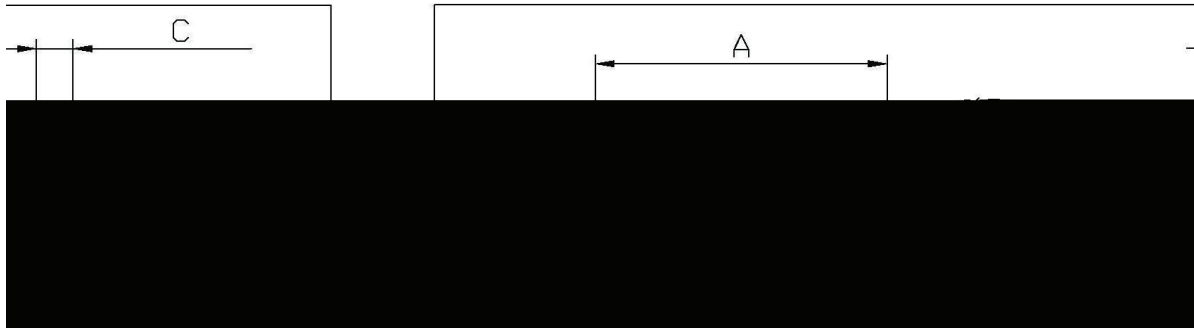
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown V						

/ Electrical Characteristic Curve



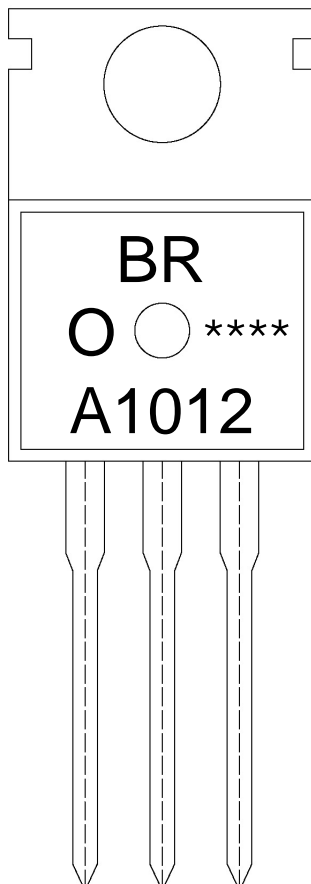
/ Package Dimensions

单位: mm TO-220 单



Symbol	Dimensions in millimeters		Symbol	Dimensions in millimeters	
	Min	Max		Min	Max
A	9.8	10.2	C	1.2	1.4
R	3.56	3.64	B	6.3	6.7
9.0	9.4		15.7	16.1	B
a1	2.2	2.6	b1	12.6	13.6
a2	0.7	0.9	h1	9.5	10.5
C	0.4	0.6	a1	1.22	1.32
C2	4.3	4.7	E	2.34	2.74
			a2	1.25	1.45

/ Marking Instructions



Note:

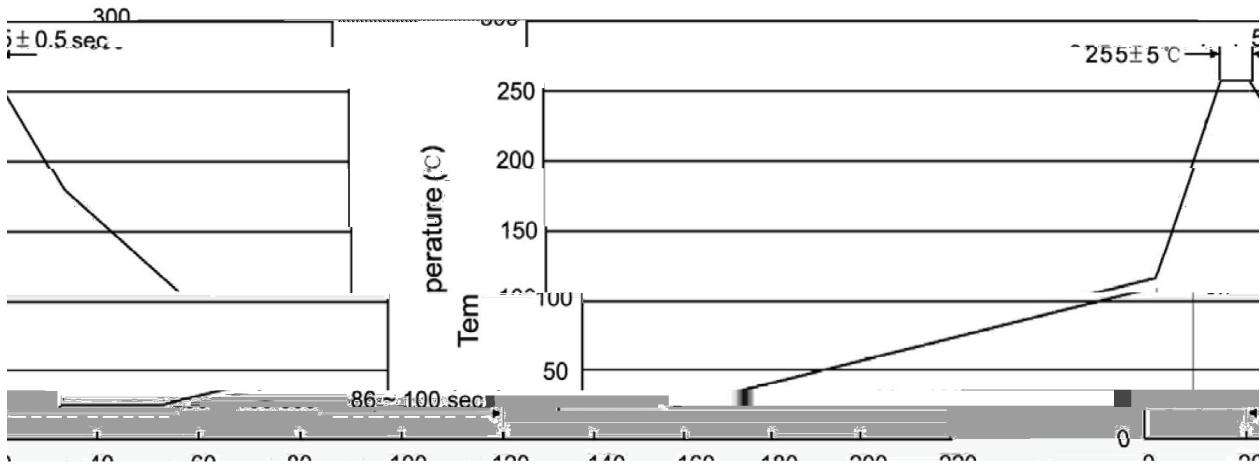
BR: Company Code

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; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 255 | 5 | 5 | 0.5sec; | 2.Peak Temp.:255 5 , Duration:5 0.5sec. |
| 3 | | | 2 | 10 /sec. | 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 封装形式	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒 r/	Dimension 包装尺寸 (unit: mm ³)