

**/ Descriptions**

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

**/ Features**

2SC2334

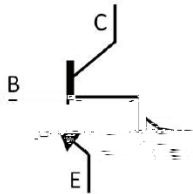
Low  $V_{CE(sat)}$ , fast switching speed, complementary pair with 2SC2334.

**/ Applications**

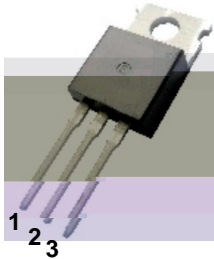
DC/DC

Use for high voltage high speed switching, for a drive in devices such as switching regulators, DC/DC converters, high frequency power amplifiers.

**/ Equivalent Circuit**



**/ Pinning**



PIN1 Base          PIN 2 Collector          PIN 3 Emitter

**/  $h_{FE}$  Classifications & Marking**

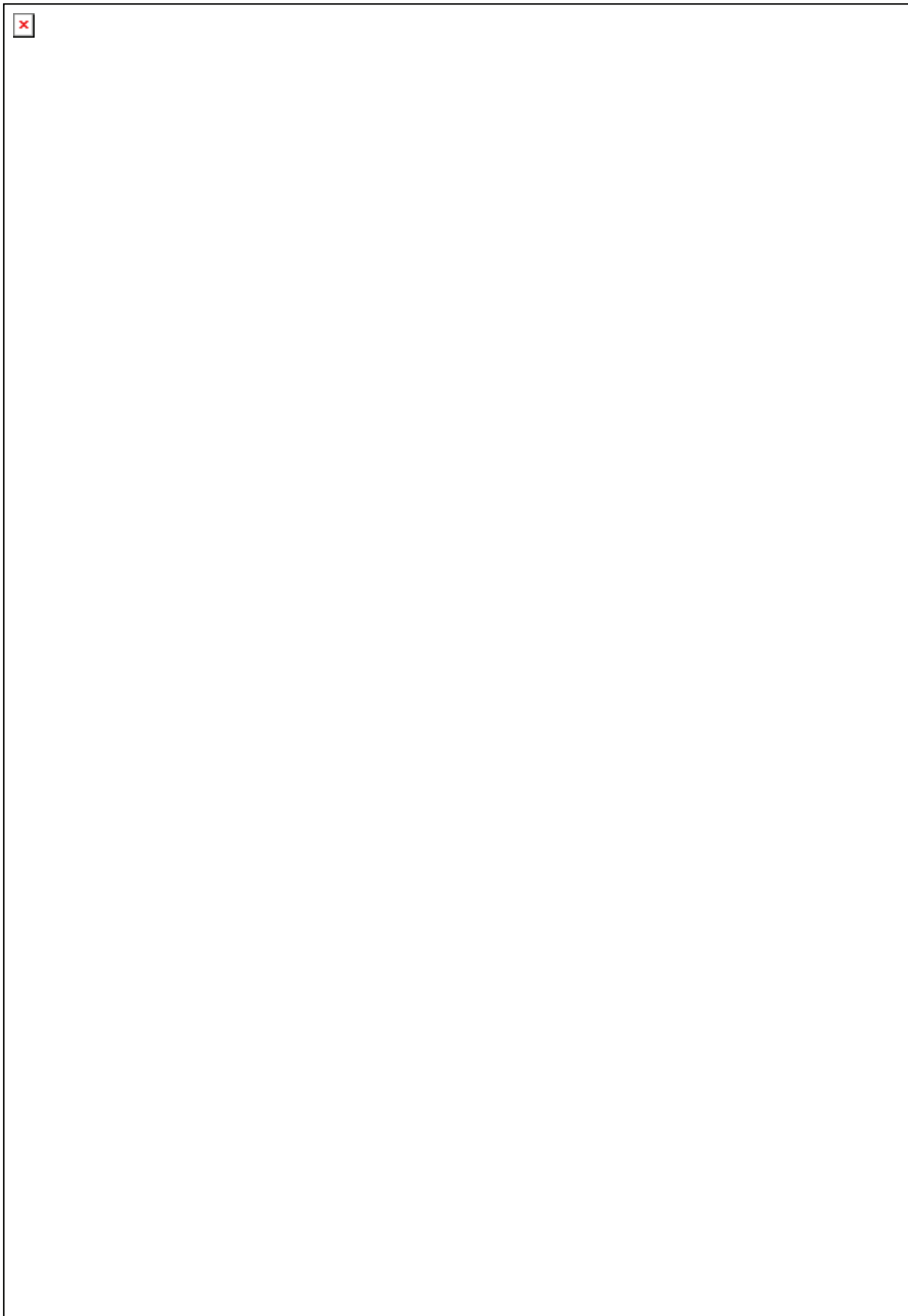
$h_{FE}$ Classifications Symbol	M	L	K
$h_{FE}$ Range	40 80	60 120	100 200

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-100	V
Collector to Emitter Voltage	$V_{CEO}$	-100	V
Emitter to Base Voltage	$V_{EBO}$	-7.0	V
Collector Current - Continuous	$I_C$	-7.0	A
Peak Collector Current*	$*I_{CM}$	-15	A
Base Current – Continuous	$I_B$	-3.5	A
Collector Power Dissipation	$P_C$	1.5	W
	$P_C(T_C=25^\circ C)$	40	W
Junction Temperature	T		

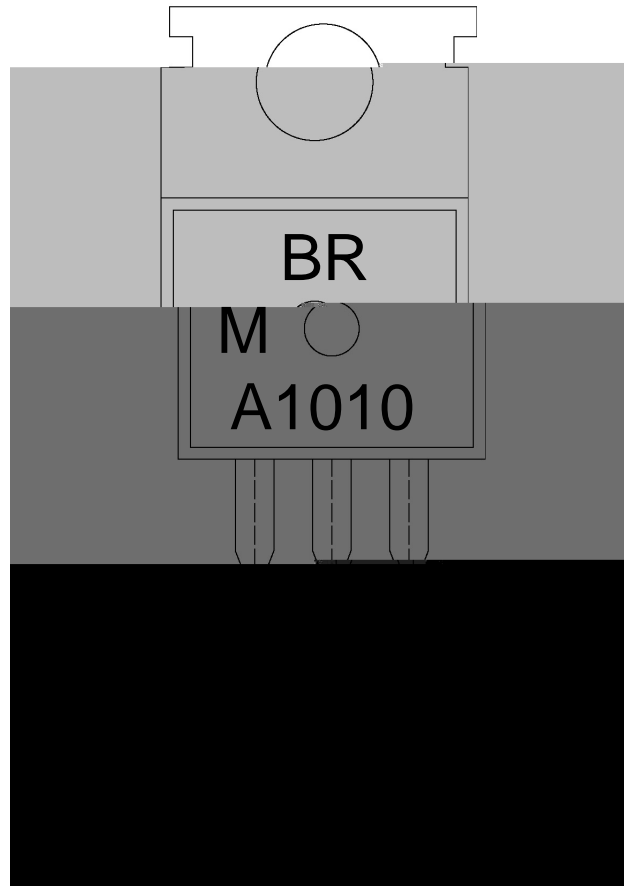
**/ Electrical Characteristic Curve**



**/ Package Dimensions**



**/ Marking Instructions**



BR

A1010

M:  $h_{FE}$

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Note:

BR: Company Code

A1010: Product Type.

M:  $h_{FE}$  Classifications Symbol

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

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



- |   |       |     |           |        |       |  |
|---|-------|-----|-----------|--------|-------|--|
| 1 | 25    | 150 | 60        | 90sec; | Note: | 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	Units	Dimension	(unit mm <sup>3</sup> )
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