

**/ Descriptions**

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

**/ Features**

2SA1010

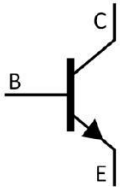
Low  $V_{CE(sat)}$ , fast switching speed, complementary pair with 2SA1010.

**/ Applications**

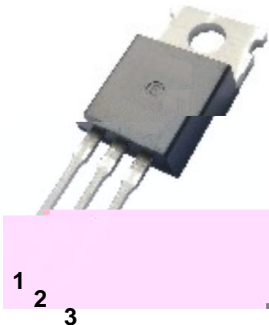
DC/DC

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	$V_{CBO}$	150	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
	$P_C(T_C=25^\circ\text{C})$	40	W
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

\*:pw( ) 300 $\mu$ s,duty cycle( ) 10%.

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	$V_{CEO}$	$I_C$				

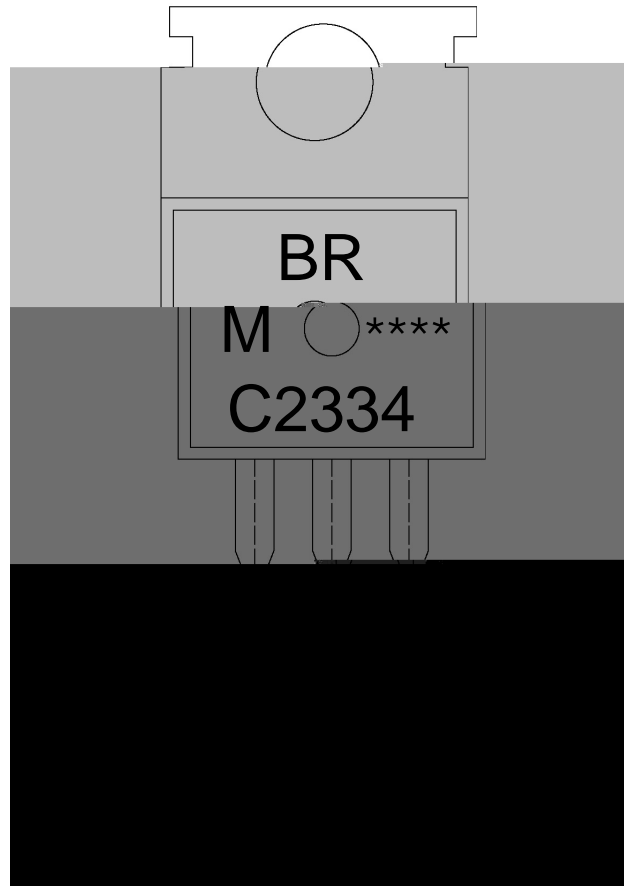
**2SC2334**  
Rev.H Oct.-2018

**/ Electrical Characteristic Curve**

/ Package Dimensions



/ Marking Instructions



BR

C2334

M:  $h_{FE}$

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Note:

BR: Company Code

C2334: Product Type.

M:  $h_{FE}$  Classifications Symbol

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

