2SC2334

Rev.H Oct.-2018

蓝箭电子 BLUE ROCKET ELECTRONICS

DATA SHEET

/ Descriptions

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

/ Features

2SA1010

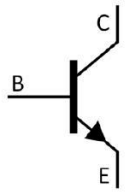
Low $V_{CE(sat)}$,fast switching speed, complementary pair with 2SA1010.

/ 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

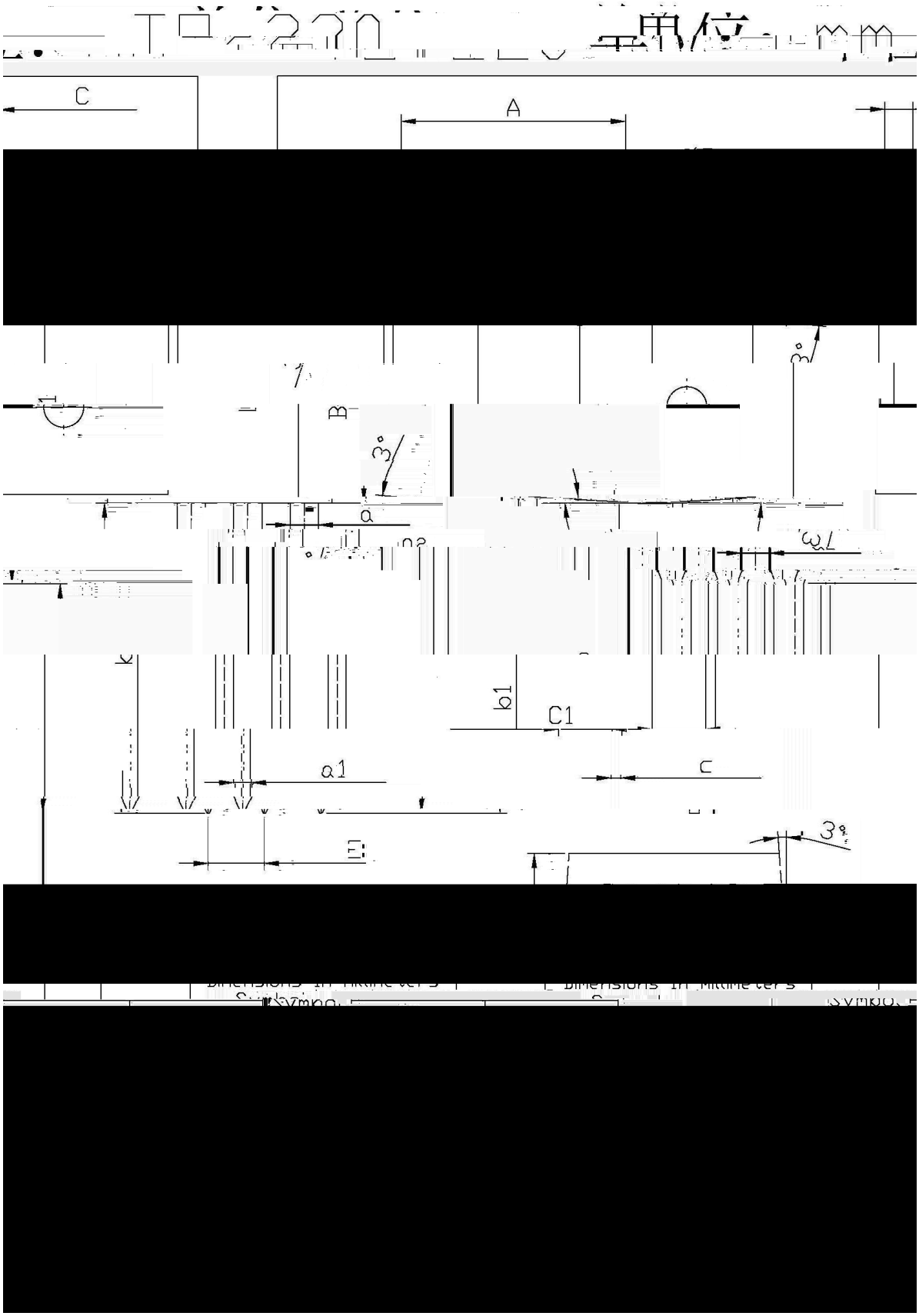
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	150	V
Collector to Emitter Voltage	V_{CEO}	100	V
Emitter to Base Voltage	V_{EBO}	7.0	V
Collector Current - Continuous	I_C	7.0	A
Peak Collector Current*	$*I_{CM}$	15	A
Base Current - Continuous	I_B	3.5	A
Collector Power Dissipation	P_C	1.5	W
	$P_C(T_C=25$)	40	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

*:pw( )≤300μs,duty cycle( )≤10%.

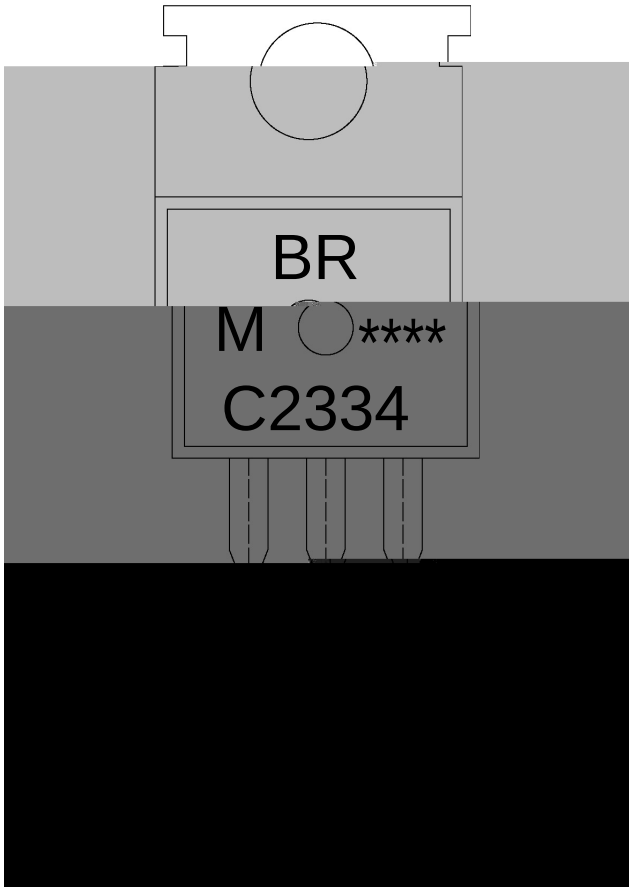
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C				

/ Electrical Characteristic Curve

/ Package Dimensions



/ Marking Instructions



BR

C2334

M: h_{FE}

****

Note:

BR:	Company Code
C2334:	Product Type.
M:	h_{FE} Classifications Symbol
****:	Lot No. Code, code change with Lot No.