

Silicon NPN transistor epitaxial type

6C334

[Applications]

General purpose

[Feature]

Low collector saturation voltage VCE(sat)= 0.6V(Max.) at IC= 100mA, IB= 5mA

[Absolute maximum ratings (Ta=25C)]

Characteristic	Symbol	Maximum ratings	Unit
Collector-base voltage	VCBO	80	V
Collector-emitter voltage	VCEO	65	V
Emitter-base voltage	VEBO	6	V
Collector current	IC	100	mA
Junction temperature	Tj	125	C
Storage temperature	Tstg	-55 to 125	C

[Electrical characteristics (Ta=25C)]

Characteristic	Symbol	Min.	Typ.	Max.	Unit	Conditions
Collector-base breakdown voltage	BVCBO	80	-	-	V	IC= 50uA, IE= 0A
Collector-emitter breakdown voltage	BVCEO	65	-	-	V	IC= 1mA, IB= 0A
Emitter-base breakdown voltage	BVEBO	6	-	-	V	IE= 50uA, IC= 0A
Collector cut-off current	ICBO	-	-	50	nA	VCB= 80V
Emitter cut-off current	IEBO	-	-	50	nA	VEB= 6V
DC current gain	hFE	110	-	450	-	VCE= 5V, IC= 2mA
Collector-emitter saturation voltage 1	VCE(sat) 1	-	-	0.25	V	IC= 10mA, IB= 0.5mA
Collector-emitter saturation voltage 2	VCE(sat) 2	-	-	0.6	V	IC= 100mA, IB= 5mA

Notice 1) These are measured data of transistors assembled by PHENITEC SEMICONDUCTOR Corp. and are for reference only.

Notice 2) The contents described herein are subject to change without notice.

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