

/ Descriptions

TO-251 PNP Silicon PNP transistor in a TO-251 Plastic Package.

/ Features

2SC5171I
High f_T , complementary pair with 2SC5171I.

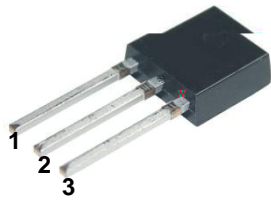
/ Applications

General power and driver stage amplifier applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

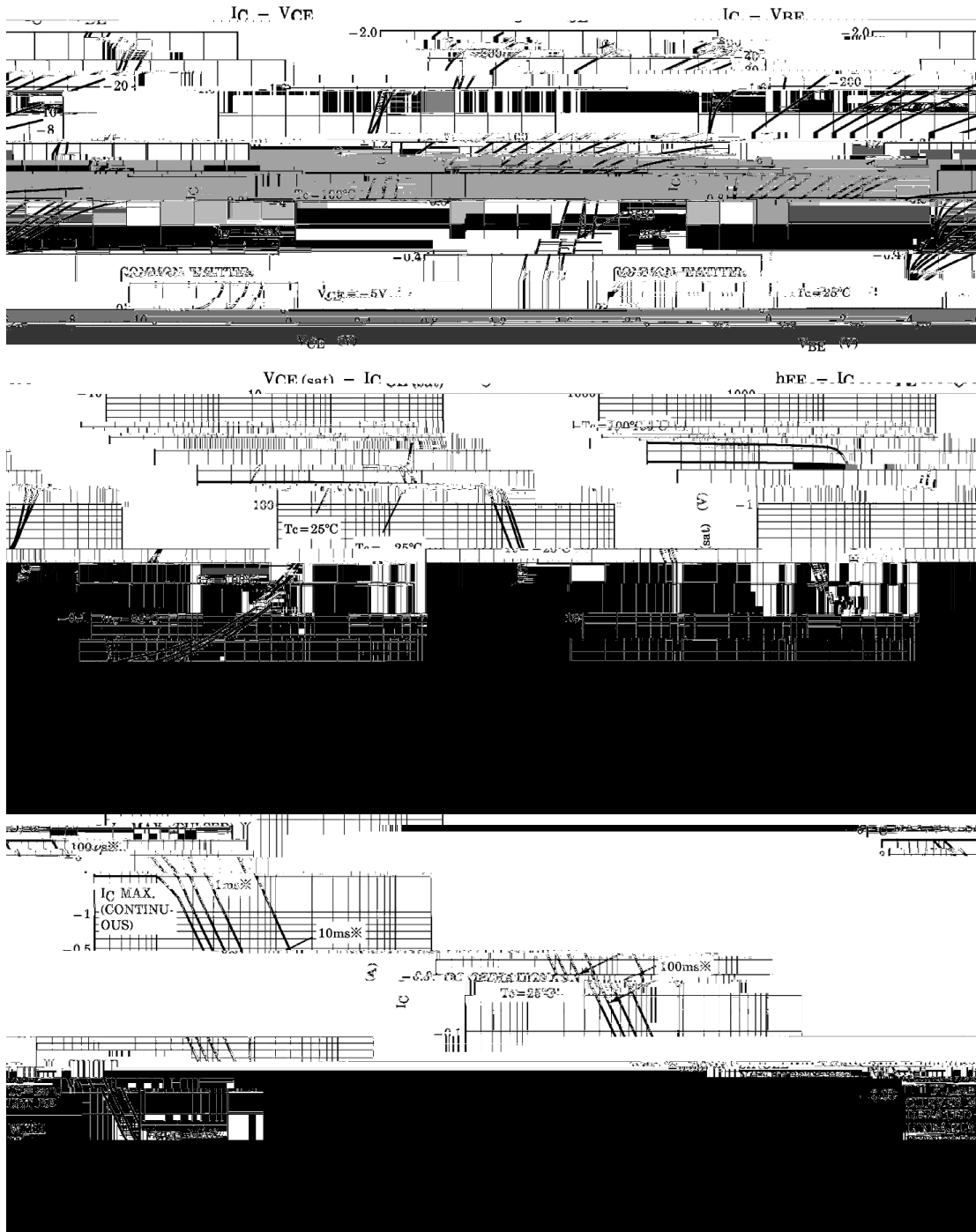
/ h_{FE} Classifications & Marking

See Marking Instructions.

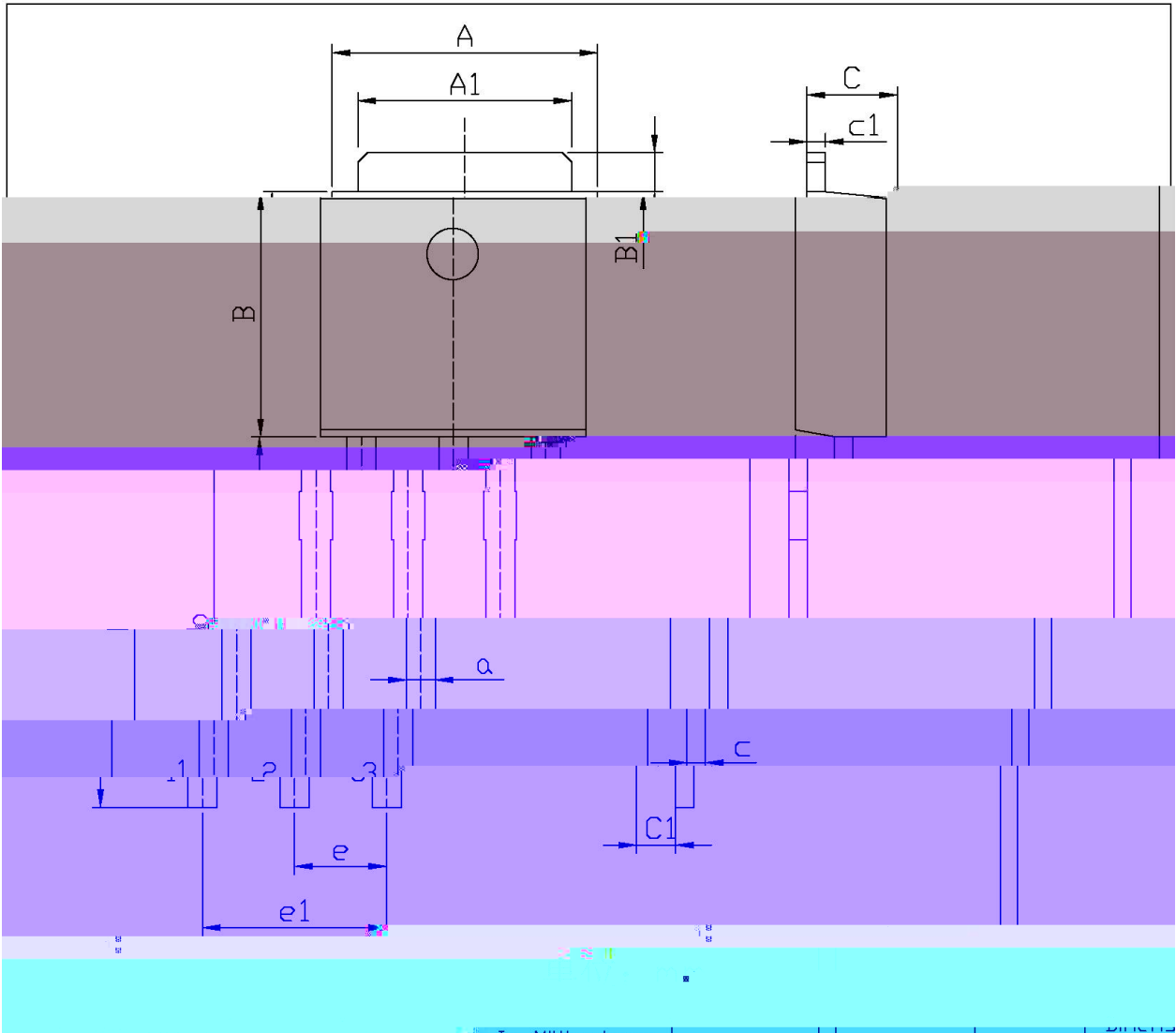
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-180	V
Collector to Emitter Voltage	V_{CEO}	-180	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-2.0	A
Base Current - Continuous	I_B	-1.0	A
Collector Power Dissipation	P_C	1.5	W
Collector Power Dissipation	$P_C(T_c=25 \text{ }^\circ\text{C})$	20	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max
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/ Electrical Characteristic Curve



/ Package Dimensions



Symbol		Dimensions* (In Millimeters)		Symbol		Min
Max	Min	Max	Min	Max	Min	
6.75		a	0.50	0.70	A	6.4
5.50		b	9.00	9.40	A1	5.1
6.00		c	0.75	0.75	C	5.7

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