2SD2337

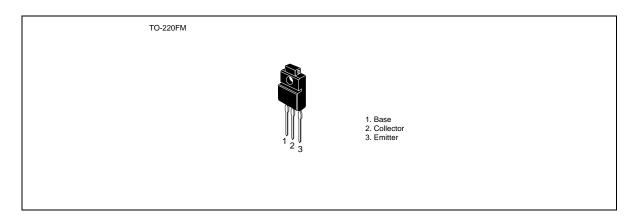
Silicon NPN Triple Diffused

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Application

Low frequency high voltage power amplifier TV vertical deflection output complementary pair with 2SB1530

Outline



2SD2337

Absolute Maximum Ratings ($Ta = 25^{\circ}C$)

Item	Symbol	Ratings	Unit	
Collector to base voltage	V _{CBO}	200	V	
Collector to emitter voltage	V _{CEO}	150	V	
Emitter to base voltage	$V_{\scriptscriptstyle{EBO}}$	6	V	
Collector current	I _c	2	А	
Collector peak current	I _{C(peak)}	5	A	
Collector power dissipation	P _c	1.5	W	
	P _c *1	20		
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-45 to +150	°C	

Note: 1. Value at $T_c = 25$ °C.

Electrical Characteristics ($Ta = 25^{\circ}C$)

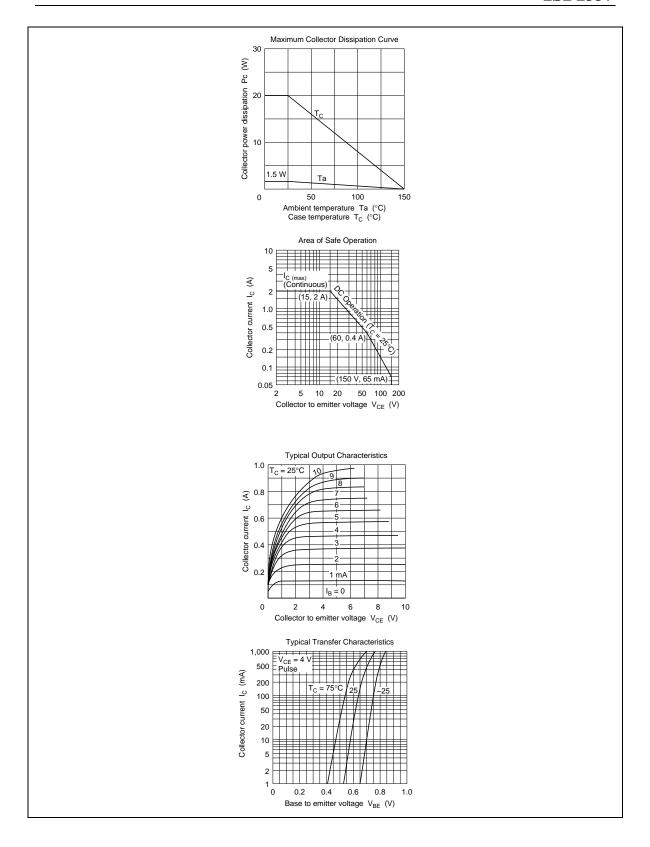
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to emitter breakdown voltage	$V_{_{(BR)CEO}}$	150	_	_	V	$I_c = 50 \text{ mA}, R_{BE} = \infty$
Emitter to base breakdown voltage	$V_{\text{(BR)EBO}}$	6	_	_	V	$I_{\rm E} = 5$ mA, $I_{\rm C} = 0$
Collector cutoff current	I _{CBO}	_	_	1	μΑ	$V_{CB} = 120 \text{ V}, I_{E} = 0$
DC current transfer ratio	h _{FE1} *1	60	_	320		$V_{CE} = 4 \text{ V}, I_{C} = 50 \text{ mA}$
	h _{FE2}	60	_	_		$V_{CE} = 10 \text{ V}, I_{C} = 500 \text{ mA}^{*2}$
Collector to emitter saturation voltage	$V_{\text{CE(sat)}}$	_	_	3.0	V	$I_{\rm c} = 500 \text{ mA}, I_{\rm B} = 50 \text{ mA}^{*2}$
Base to emitter voltage	V _{BE}	_	_	1.0	V	$V_{CE} = 4 \text{ V}, I_{C} = 50 \text{ mA}$

Notes: 1. The 2SD2337 is grouped by $h_{\text{\tiny FE1}}$ as follows.

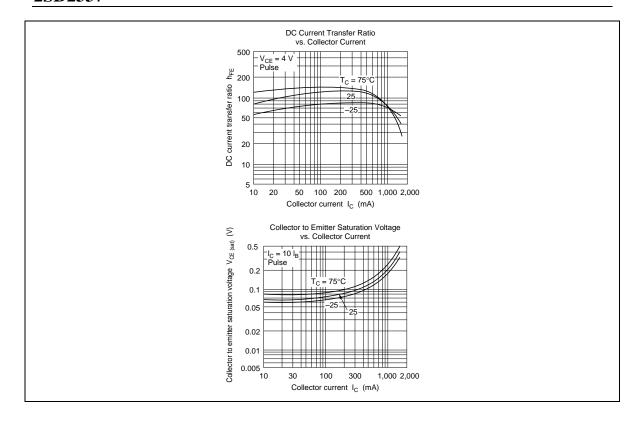
В	С	D
60 to 120	100 to 200	160 to 320

2. Pulse test.

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2SD2337



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