

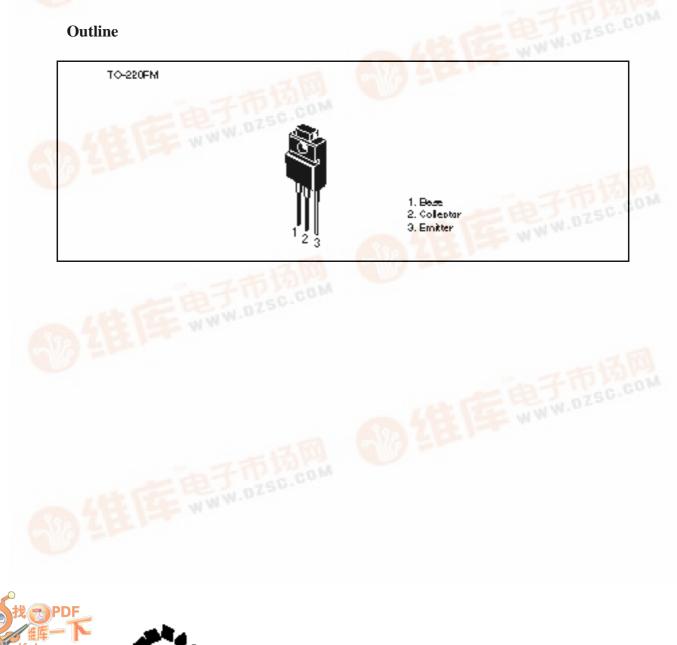
Silicon NPN Triple Diffused

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Application

WWW.DZSC 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_{EBO}	6	V
Collector current	Ι _c	2	А
Collector peak current	I _{C(peak)}	5	А
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 $T = 25^{\circ}$ C			

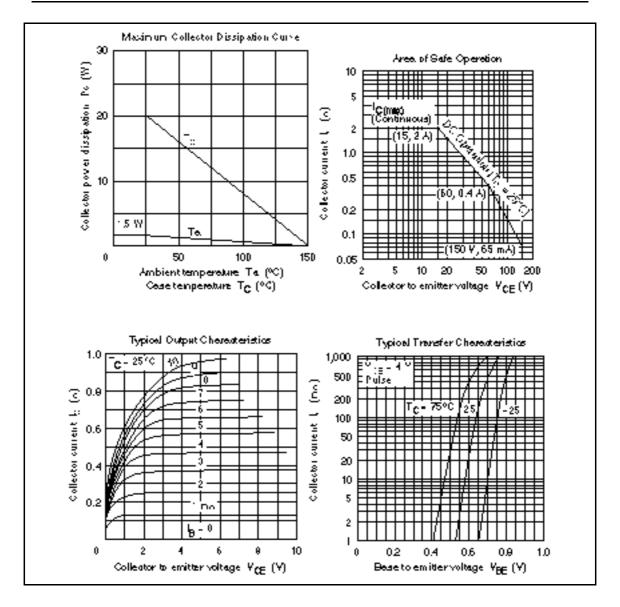
Note: 1. Value at $T_c = 25^{\circ}C$.

Electrical Characteristics (Ta = 25°C)

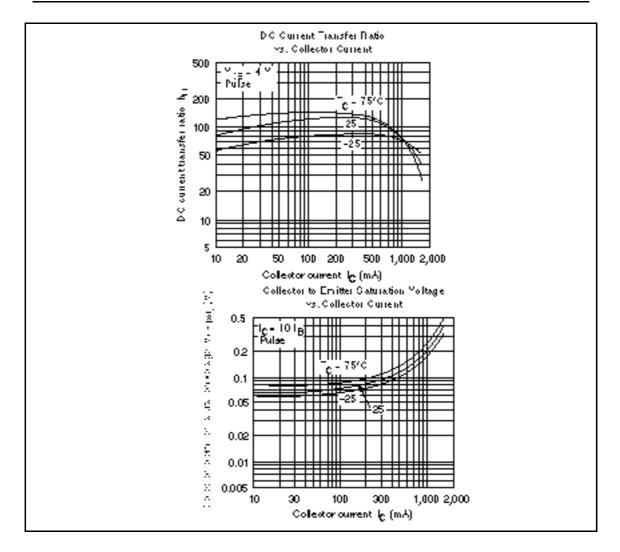
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to emitter breakdown voltage	$V_{(\text{BR})\text{CEO}}$	150	_	_	V	$I_c = 50$ mA, $R_{BE} =$
Emitter to base breakdown voltage	$V_{(\text{BR})\text{EBO}}$	6	_	_	V	$I_{\rm E} = 5$ mA, $I_{\rm C} = 0$
Collector cutoff current	I _{CBO}	_	_	1	μA	$V_{CB}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

В	C	D
60 to 120	100 to 200	160 to 320

2SD2337



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