2SB1530

Silicon PNP Triple Diffused

HITACHI

Application

Low frequency power amplifier color TV vertical deflection output complementary pair with 2SD2337

Outline

TO-220FM



- 1. Base
- 2. Collector
- 3. Emitter



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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	I _c	-2	A
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 $T_c = 25^{\circ}C$.

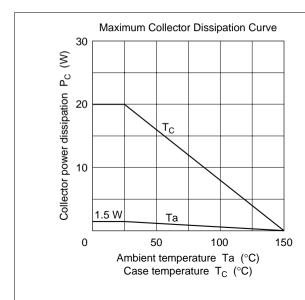
Electrical Characteristics (Ta = 25°C)

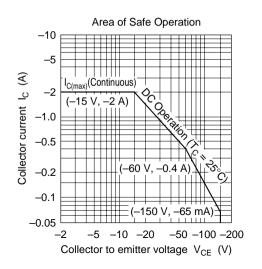
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to emitter breakdown voltage	$V_{(BR)CEO}$	-150	_	_	V	$I_{c} = -50 \text{ mA}, R_{BE} = \infty$
Emitter to base breakdown voltage	$V_{(BR)EBO}$	-6	_	_	V	$I_{\rm E} = -5 \text{ mA}, I_{\rm C} = 0$
Collector cutoff current	I _{CBO}	_	_	-1	μΑ	$V_{CB} = -120 \text{ V}, I_{E} = 0$
DC current transfer ratio	h _{FE1} *1	60	_	200		$V_{CE} = -4 \text{ V}, I_{C} = -50 \text{ mA}$
	h _{FE2}	60	_	_	_	$V_{CE} = -10 \text{ V}, I_{C} = -500 \text{ mA}^{*2}$
Collector to emitter saturation voltage	$V_{\text{CE(sat)}}$	_	_	-3	V	$I_{\rm C} = -500 \text{ mA}, I_{\rm B} = -50 \text{ mA}$
Base to emitter voltage	V_{BE}	_	_	-1	V	$I_{CE} = -4 \text{ A}, I_{C} = -50 \text{ mA}$

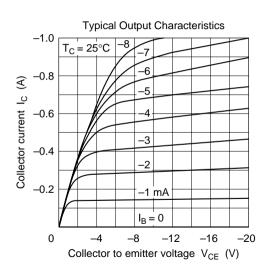
Notes: 1. The 2SB1530 is grouped by h_{FE1} as follows.

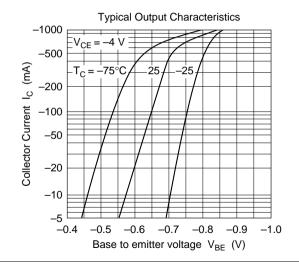
В	С
60 to 120	100 to 200

2. Pulse test.

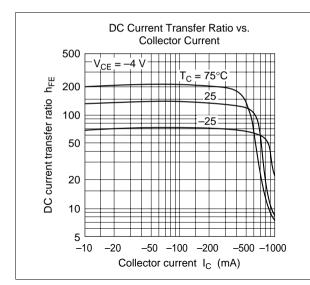


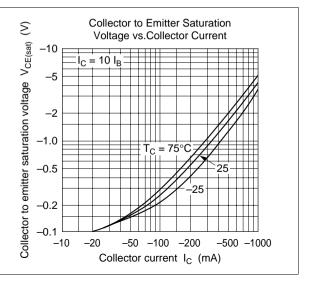


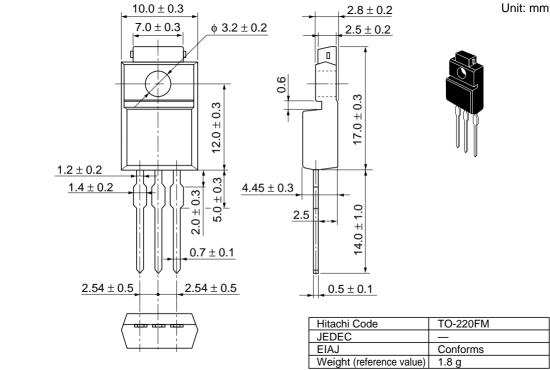




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