2SB860

Silicon PNP Triple Diffused

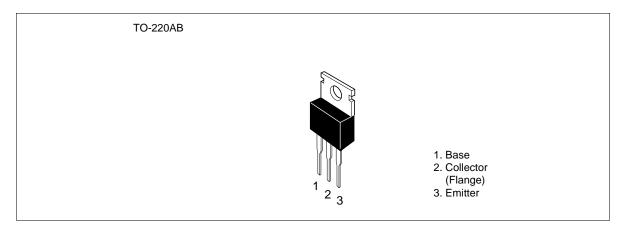
HITACHI

ADE-208-861 (Z) 1st. Edition Sep. 2000

Application

Low frequency power amplifier TV vertical deflection output complementary pair with 2SD1137

Outline



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

Item	Symbol	Rating	Unit
Collector to base voltage	V _{CBO}	-100	V
Collector to emitter voltage	V _{CEO}	-100	V
Emitter to base voltage	V_{EBO}	-4	V
Collector current	I _c	-4	A
Collector peak current	I _{C(peak)}	– 5	А
Collector power dissipation	P _c	1.8	W
	P _c *1	40	W
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-45 to +150	°C

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

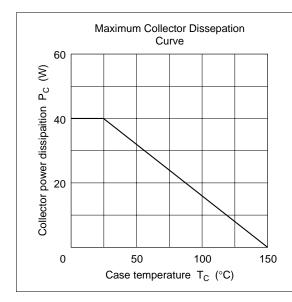


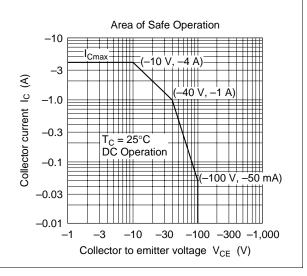
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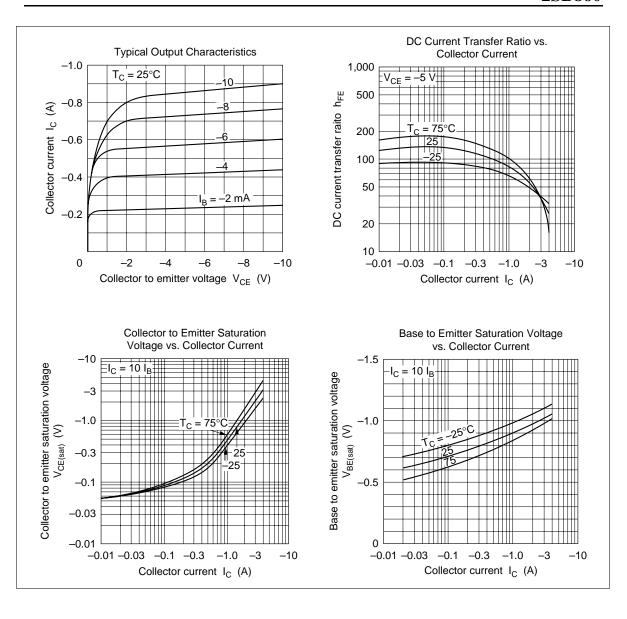
Electrical Characteristics $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to emitter breakdown voltage	$V_{(BR)CEO}$	-100	_	_	V	$I_{\rm C} = -10$ mA, $R_{\rm BE} = \infty$
Emitter to base breakdown voltage	$V_{(BR)EBO}$	-4	_	_	V	$I_{\rm E} = -1$ mA, $I_{\rm C} = 0$
Collector cutoff current	I _{CEO}	_	_	-100	μΑ	$V_{CE} = -80 \text{ V}, R_{BE} = \infty$
Emitter cutoff current	I _{EBO}	_	_	-50	μΑ	$V_{EB} = -3.5 \text{ V}, I_{C} = 0$
Collector to emitter saturation voltage	$V_{\text{CE(sat)}}$	_	_	-1.0	V	$I_{\rm C} = -1 \text{ A}, I_{\rm B} = -0.1 \text{ A}^{*1}$
DC current transfer ratio	h_{FE}	50	_	250		$V_{CE} = -4 \text{ V}$ $I_{C} = -0.5 \text{ A}^{*1}$
		25	_	350		$I_c = -50 \text{ mA}$

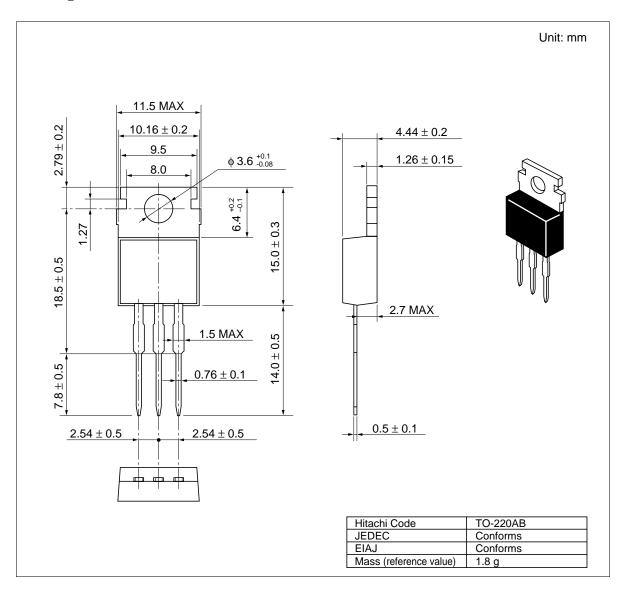
Note: 1. Pulse test







Package Dimensions



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