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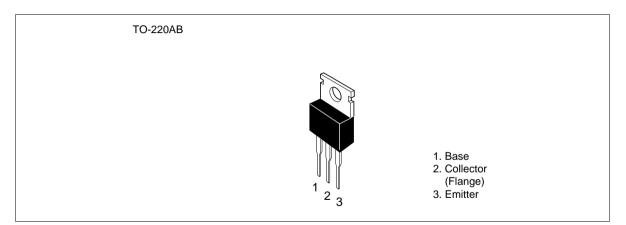
Silicon PNP Triple Diffused

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Application

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

Outline



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

Item	Symbol		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	Ι _c	-4	А	
Collector peak current	l _{C(peak)}	-5	А	
Collector power dissipation	Pc	1.8	W	
	P _c * ¹	40	W	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-45 to +150	°C	

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

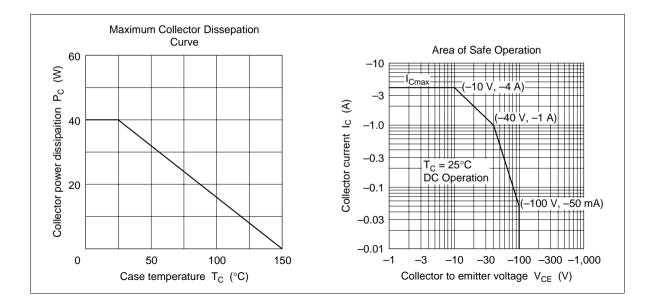


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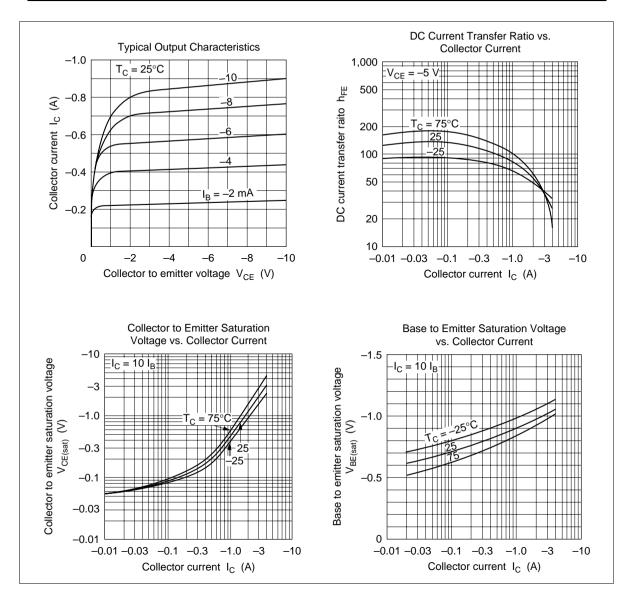
Electrical Characteristics (Ta = 25°C)

Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to emitter breakdown voltage	$V_{(\text{BR})\text{CEO}}$	-100	_	—	V	$I_c = -10$ mA, $R_{BE} = \infty$
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	μA	$V_{ce} = -80 \text{ V}, \text{ R}_{be} = \infty$
Emitter cutoff current	I _{EBO}	—	—	-50	μΑ	$V_{_{\rm EB}} = -3.5 \text{ V}, \text{ I}_{_{\rm C}} = 0$
Collector to emitter saturation voltage	$V_{CE(sat)}$	—	_	-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		$V_{ce} = -4 V$ $I_c = -0.5 A^{*1}$
		25		350		$I_c = -50 \text{ mA}$

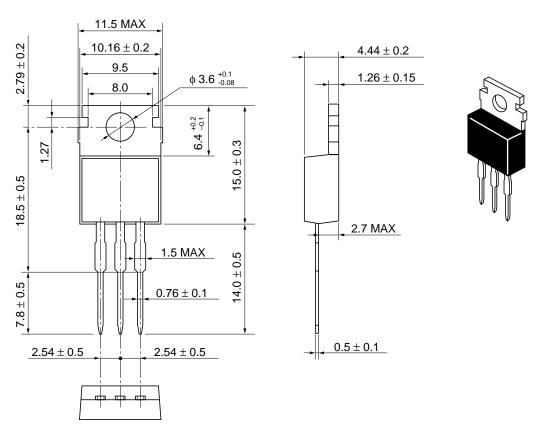
Note: 1. Pulse test



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Hitachi Code	TO-220AB
JEDEC	Conforms
EIAJ	Conforms
Weight (reference value)	1.8 g

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