2SA0886 (2SA886)

Silicon PNP epitaxial planar type

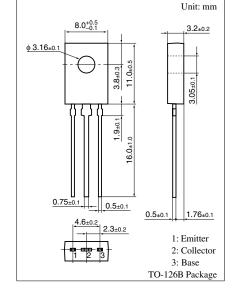
For low-frequency power amplification Complementary to 2SC1847

■ Features

- Output of 4 W can be obtained by a complementary pair with 2SC1847
- TO-126B package which requires no insulation plate for installation to the heat sink

■ Absolute Maximum Ratings $T_C = 25$ °C

3 6				
Parameter	Symbol	Rating	Unit	
Collector to base voltage	V _{CBO}	-50	V	
Collector to emitter voltage	V _{CEO}	-40	V	
Emitter to base voltage	V _{EBO}	-5	V	
Peak collector current	I_{CP}	-3	A	
Collector current	I_{C}	-1.5	A	
Collector power dissipation	P _C	1.2 *1	W	
		5 *2		
Junction temperature	T _j	150	°C	
Storage temperature	T_{stg}	-55 to +150	°C	



■ Electrical Characteristics $T_C = 25$ °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector cutoff current	I_{CBO}	$V_{CB} = -20 \text{ V}, I_E = 0$			-1	μΑ
	I _{CEO}	$V_{CE} = -10 \text{ V}, I_{B} = 0$			-100	μΑ
Emitter cutoff current	I_{EBO}	$V_{EB} = -5 \text{ V}, I_C = 0$			-10	μΑ
Collector to base voltage	V_{CBO}	$I_{\rm C} = -1 \text{mA}, I_{\rm E} = 0$	-50			V
Collector to emitter voltage	V_{CEO}	$I_{\rm C} = -2 \text{ mA}, I_{\rm B} = 0$	-40			V
Forward current transfer ratio *	h _{FE}	$V_{CE} = -5 \text{ V}, I_{C} = -1 \text{ A}$	80		220	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_C = -1.5 \text{ A}, I_B = -0.15 \text{ A}$			-1.0	V
Base to emitter saturation voltage	V _{BE(sat)}	$I_C = -2 \text{ A}, I_B = -0.2 \text{ A}$			-1.5	V
Transition frequency	f_T	$V_{CB} = -5 \text{ V}, I_E = 0.5 \text{ A}, f = 200 \text{ MHz}$		150		MHz
Collector output capacitance	C _{ob}	$V_{CB} = -20 \text{ V}, I_E = 0, f = 1 \text{ MHz}$		45		pF

Note) *: Rank classification

Rank	Q	R
h_{FE}	80 to 160	120 to 220

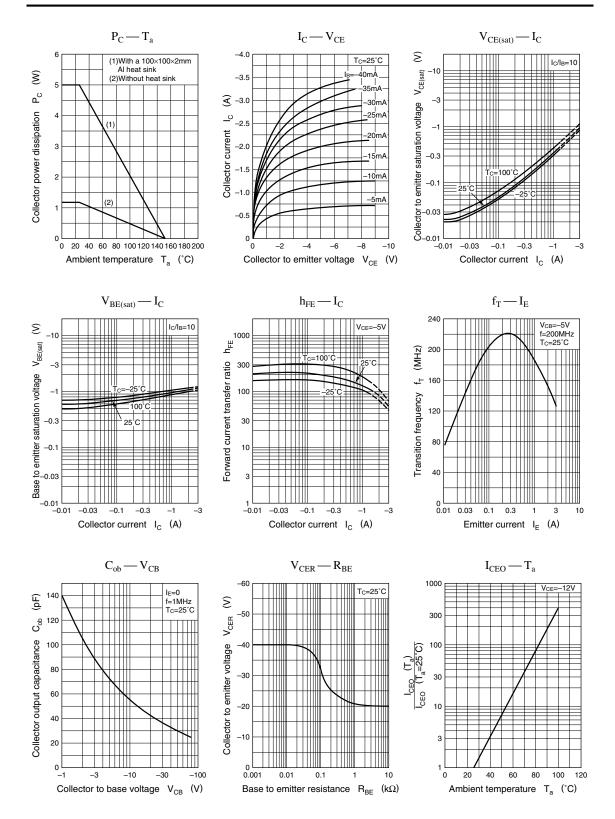
Note.) The Part number in the Parenthesis shows conventional part number.

Panasonic 1

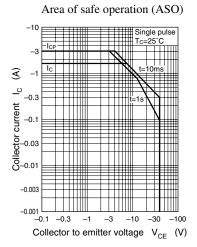
Note) *1: Without heat sink

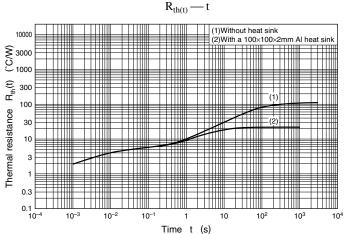
^{*2:} With a $100 \times 100 \times 2$ mm A1 heat sink

2SA0886 Power Transistors



Power Transistors 2SA0886





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