2SB0779 (2SB779)

Silicon PNP epitaxial planer type

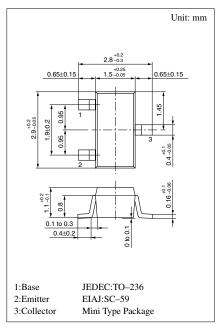
For low-frequency output amplification

Features

- ullet Low collector to emitter saturation voltage $V_{CE(sat)}$.
- Satisfactory linearity of h_{FE} at the low collector voltage.
- Mini type package, allowing downsizing of the equipment and automatic insertion through the tape packing and the magazine packing.

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Ratings	Unit
Collector to base voltage	V_{CBO}	-25	V
Collector to emitter voltage	V_{CEO}	-20	V
Emitter to base voltage	V _{EBO}	-7	V
Peak collector current	I_{CP}	-1	A
Collector current	I_{C}	- 0.5	A
Collector power dissipation	P _C	200	mW
Junction temperature	T _j	150	°C
Storage temperature	T_{stg}	−55 ~ +150	°C



Marking symbol: 1A

■ Electrical Characteristics (Ta=25°C)

Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I_{CBO}	$V_{CB} = -25V, I_E = 0$			-100	nA
	I_{CEO}	$V_{CE} = -20V, I_{B} = 0$			-1	μΑ
Collector to base voltage	V _{CBO}	$I_{\rm C} = -10\mu A, I_{\rm E} = 0$	-25			V
Collector to emitter voltage	V _{CEO}	$I_{C} = -1mA, I_{B} = 0$	-20			V
Emitter to base voltage	V _{EBO}	$I_{\rm E} = -10\mu A, I_{\rm C} = 0$	-7			V
Forward current transfer ratio	h _{FE1} *1	$V_{CE} = -2V, I_C = -0.5A^{*2}$	90		220	
	h _{FE2}	$V_{CE} = -2V, I_C = -1A^{*2}$	25			
Collector to emitter saturation voltage	V _{CE(sat)}	$I_C = -500 \text{mA}, I_B = -50 \text{mA}^{*2}$		-0.2	- 0.4	V
Base to emitter saturation voltage	V _{BE(sat)}	$I_C = -500 \text{mA}, I_B = -50 \text{mA}^{*2}$			-1.2	V
Transition frequency	f_{T}	$V_{CB} = -10V$, $I_E = 50mA$, $f = 200MHz$		150		MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10V$, $I_E = 0$, $f = 1MHz$		15		pF

^{*2} Pulse measurement

1

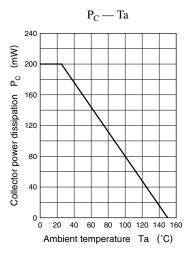
*h_{FE1} Rank classification

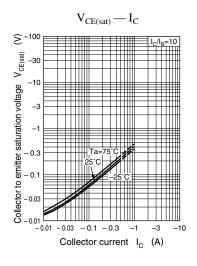
Rank	Q	R		
h _{FE1}	90 ~ 155	130 ~ 220		
Marking Symbol	1AQ	1AR		

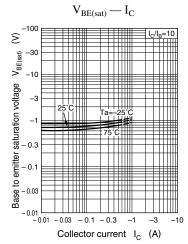
Note.) The Part number in the Parenthesis shows conventional part number.

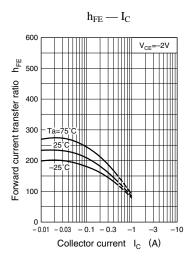
Panasonic

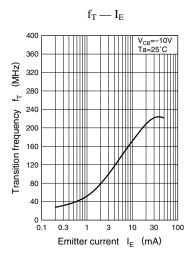
Transistor 2SB0779

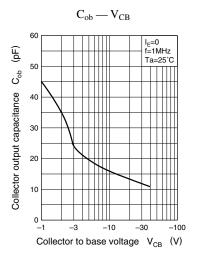












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