2SC4656

Silicon NPN epitaxial planer type

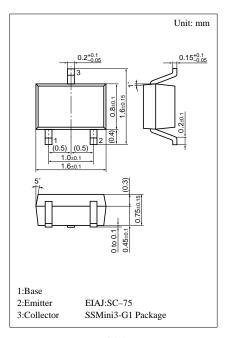
For high-frequency amplification Complementary to 2SA1791

Features

- Small collector output capacitance C_{ob}.
- SS-Mini type package, allowing downsizing of the equipment and automatic insertion through the tape packing.

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Ratings	Unit
Collector to base voltage	V_{CBO}	50	V
Collector to emitter voltage	V_{CEO}	50	V
Emitter to base voltage	$V_{\rm EBO}$	5	V
Collector current	I_{C}	50	mA
Collector power dissipation	P_{C}	125	mW
Junction temperature	T_{j}	125	°C
Storage temperature	T_{stg}	−55 ~ +125	°C



Marking symbol: AM

Electrical Characteristics (Ta=25°C)

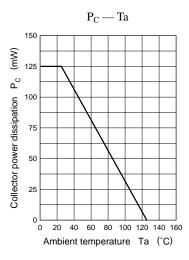
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I_{CBO}	$V_{CB} = 10V, I_{E} = 0$			0.1	μА
	I _{CEO}	$V_{CE} = 10V, I_{B} = 0$			100	μΑ
Collector to base voltage	V _{CBO}	$I_{\rm C} = 10 \mu A, I_{\rm E} = 0$	50			V
Collector to emitter voltage	V _{CEO}	$I_C = 1 \text{mA}, I_B = 0$	50			V
Emitter to base voltage	V _{EBO}	$I_{\rm E} = 10 \mu A, I_{\rm C} = 0$	5			V
Forward current transfer ratio	h _{FE} *	$V_{CE} = 10V, I_{C} = 2mA$	200		500	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_C = 10\text{mA}, I_B = 1\text{mA}$		0.06	0.3	V
Transition frequency	f_{T}	$V_{CB} = 10V, I_E = -2mA, f = 200MHz$		250		MHz
Collector output capacitance	C _{ob}	$V_{CB} = 10V, I_E = 0, f = 1MHz$		1.5		pF

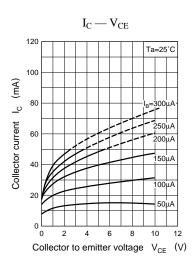
*h_{FE} Rank classification

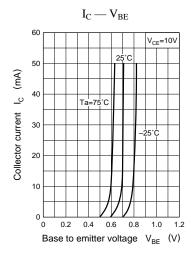
Rank	Q	R	
h_{FE}	200 ~ 400	250 ~ 500	
Marking Symbol	AMQ	AMR	

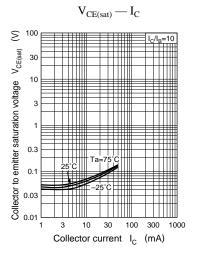
Panasonic 483

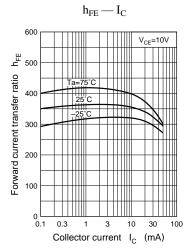
Transistor 2SC4656

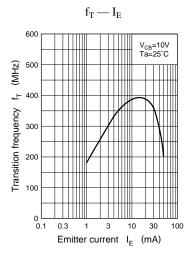


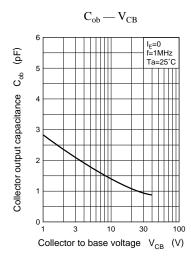












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