# 2SA 1747

## Silicon PNP Epitaxial Planar Type

For high-frequency amplification Complementary pair with 2SC4561

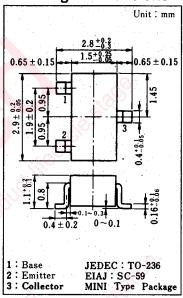
#### ■ Features

- •High transition frequency f<sub>T</sub>
- •Large collector output capacitance Cob
- •As it is a MINI type package, downsizing of equipment and automatic insertion by radial taping are possble.

### ■ Absolute Maximum Ratings (Ta=25°C)

Item	Symbol	Value	Unit
Collector-Base Voltage	V <sub>cвo</sub>	-50	V
Collector-Emitter Voltage	V <sub>CEO</sub>	-50	V
Emitter-Base Voltage	V <sub>EBO</sub>	-5	V
Collector Current	Ic	-50	mA
Collector Power Dissipation	Pc	200	mW
Junction Temperature	T <sub>j</sub>	150	O C C
Storage Temperature	T <sub>stg</sub>	-55~+150	c

#### ■ Package Dimensions



### ■ Electrical Characteristics (Ta=25°C)

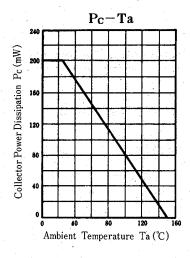
Item	Symbol	Condition	min.	typ.	max.	Unit
Collector-Base Voltage	V <sub>сво</sub>	$I_C = -10\mu A$ , $I_E = 0$	50	),		V
Collector-Emitter Voltage	V <sub>CEO</sub>	$I_C=-1mA$ , $I_B=0$	-50			V
Emitter-Base Voltage	V <sub>EBO</sub>	$I_E = -10\mu A, I_C = 0$	5°−5			V
Collector Cutoff Current	Ісво	$V_{CB}=-10V$ , $I_{E}=0$		• .	-0.1	μA
	ICEO	$V_{CE}=-10V$ , $I_{B}=0$			-100	μA
DC Current Gain	hfe*	$V_{CE}=-10V$ , $I_{C}=-2mA$	200		500	
Collector-Emitter Saturation Voltage	V <sub>CE</sub> (sat)	$I_C=-10\text{mA}, I_B=-1\text{mA}$		-0.1	0.3	V
Transition Frequency	f <sub>T</sub>	$V_{CB} = -10V$ , $I_E = 2mA$ , $f = 200MHz$		250		MHz
Collector Output Capacitance	Cob	$V_{CB}=-10V$ , $I_{E}=0$ , $f=1MHz$		1.5		pF

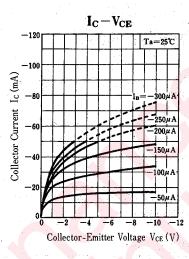
#### \* hre Ranking

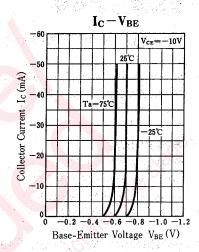
Rank	Q	· R
hfE	200~400	250~500
Marking Symbol	ALQ	ALR

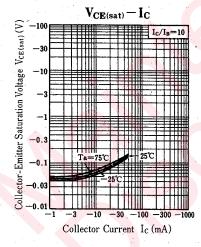
## ■ Type Name Marking (Example)

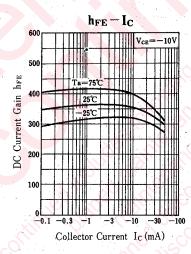
Type No. hre Classification

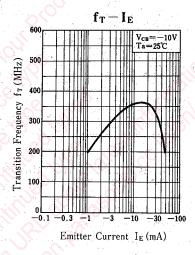


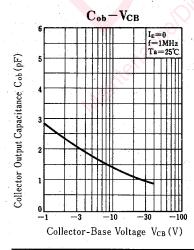












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