SILICON PNP TRANSISTOR EPITAXIAL PLANAR TYPE (PCT PROCESS)

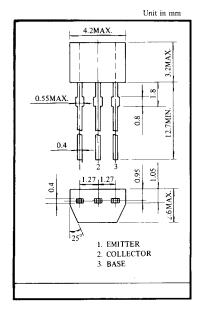
2SA 1272

APPLICATION

■ Low Frequency Amplifier Applications.

FEATURES

- High h_{FE} : $h_{FE}=100\sim320$.
- Complementary to 2SC3204.



■ MAXIMUM RATINGS (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	Vсво	-35	V
Collector-Emitter Voltage	V _{ceo}	-30	V
Emitter-Base Voltage	V _{EBO}	- 5	V
Collector Current	I_c	-800	mA

CHARACTERISTIC	SYMBOL	RATING	UNIT
Emitter Current	Ι _ε	800	mA
Collector Power Dissipation	Pc	300	mW
Junction Temperature	T,	125	C
Storage Temperature Range	Tstg	-55~125	c

■ ELECTRICAL CHARACTERITICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I _{сво}	$V_{CR} = -30V$, $I_E = 0$	_	_	-100	nΑ
Emitter Cut-off Current	I _{EBO}	$V_{EB} = -5V$, $I_c = 0$	-		-100	пA
Collecto'r-Emitter Breakdown Voltage	V _{(BR)CEO}	$I_c = -10 \text{mA}$	-30	-		V
D. C C. :	h _{FE} (1) _(Note)	$V_{ce} = -1V, I_c = -100 \text{mA}$	100	_	320	
Dc Current Gain	h _{FE} (2)	$V_{ce} = -1V, I_c = -700 \text{mA}$	35	-		
Collector-Emitter Saturation Voltage	V _{CE(sat)}	$I_c = -500 \text{ mA}, I_B = -20 \text{ mA}$	_		-0.7	V
Base-Emitter Voltage	VBE	$V_{ce} = -1V, I_c = -10 \text{mA}$	-0.5	_	-0.8	V
Transition Frequency	fτ	$V_{ce} = -5V$, $I_c = -10$ mA	_	120	_	MHz
Collector Output Capacitance	Соь	$V_{CB}=-10V$, $f=1MHz$		19	_	pF

■ NOTE: According to h_{FE(1)}, Classified as follows.

0	100~200	Y	160~320