(Transistor)

For Low Frequency Amplify Application Silicon PNP Epitaxial Type Micro(Frame type)

DESCRIPTION

2SA1995 is a silicon PNP epitaxial type transistor. It is designed for low frequency voltage amplify application.

FEATURE

- · Small collector to emitter saturation voltage. VCE(sat)=-0.3V max (@ | C=-30mA, | B=-1.5mA)
- · Excellent linearity of DC forward current gain
- · Small package for easy mounting

APPLICATION

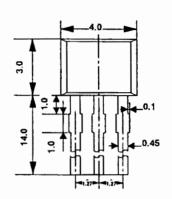
For small machine low frequency voltage amplify application.

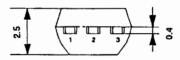
MAXIMUM RATINGS (Ta=25°C)

SYMBOL	PARAMETER	RATINGS	UNIT
Vсво	Collector to Base voltage	-50	V
VEBO	Emitter to Base voltage	-6	V
VCEO	Collector to Emitter voltage	-50	٧
Ic	Collector current	-100	mA
Pc	Collector dissipation (Ta-25°C)	450	mW
Tj	Junction temperature	+125	Ç
Tstg	Storage temperature	-55 to +125	C

OUTLINE DRAWING

UNIT:mm





TERMINAL CONNECTOR

① : EMITTER

② : COLLECTOR ③ : BASE

EIAJ : ---

JEDEC :-

ELECTRICAL CHARACTERISTICS (Ta-25°C)

SYMBOL	PARAMETER	TESTCONDITIONS		LIMITS		
			MIN	TYP	MAX	UNIT
V(BR)CEO	C to E break down voltage	I C=-100 μA, RBE=∞	-50			V
I сво	Collector cut off current	VcB=-50V, I E=0			-0.5	μΑ
I EBO	Emitter cut off current	VEB=-4V, I C=0			-0.5	μΑ
hFE *	DC forward current gain	VcE=-6V, I c=-1mA	120		560	
hFE	DC forward current gain	VcE=-6V, I c=-0.1mA	70			
VCE(sat)	C to E saturation voltage	I c=-30mA, I B=-1.5mA			-0.3	V
fτ	Gain band width product	Vc==-6V, I ==10mA		200		MHz
Сов	Collector output capacitance	VcB=-6V, I E=0, f=1MHz		2.5		pF

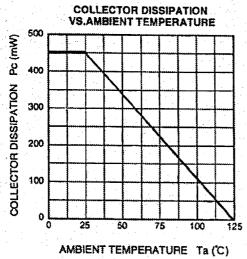
ITEM	Q	R	S
hFE	120~270	180~390	270~560

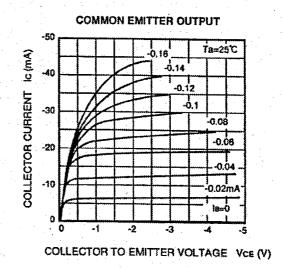
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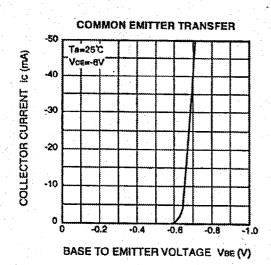
2SA1995

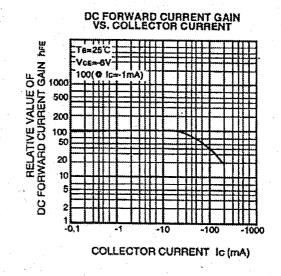
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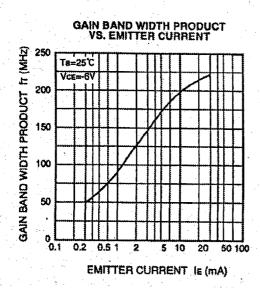
TYPICAL CHARACTERISTICS

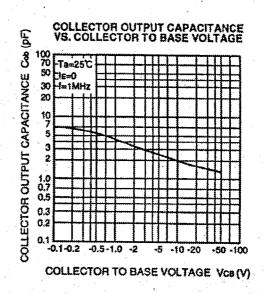














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