

RT3AMMAM1

Composite Transistor
For Low Frequency Amplify Application
Silicon PNP Epitaxial Type

DESCRIPTION

RT3AMMAM1 is compound transistor built with two ISA1235A chips in SC-88 package.

FEATURE

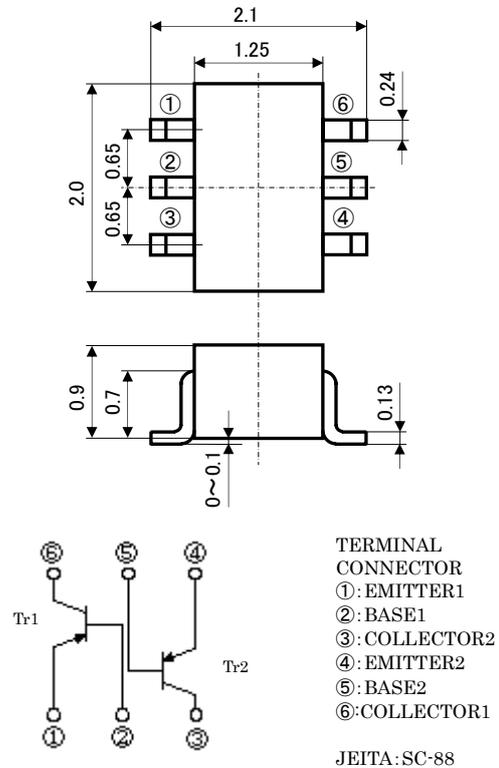
- Silicon PNP epitaxial type
- Each transistor elements are independent.
- Mini package for easy mounting.

APPLICATION

For low frequency amplify application.

OUTLINE DRAWING

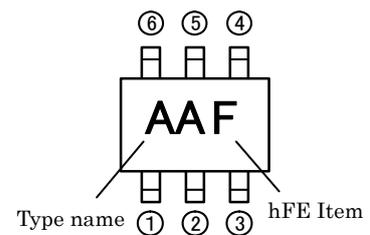
Unit: mm



MAXIMUM RATING (Ta=25°C)(Tr1,Tr2)

SYMBOL	PARAMETER	RATING	UNIT
VCBO	Collector to Base voltage	-60	V
VEBO	Emitter to Base voltage	-6	V
VCEO	Collector to Emitter voltage	-50	V
IC	Collector current	-200	mA
PT	Total dissipation	200	mW
Tj	Junction temperature	+150	°C
Tstg	Storage temperature	-55~+150	°C

MARKING



ELECTRICAL CHARACTERISTICS (Ta=25°C)(Tr1,Tr2)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Typ	Max	
V(BR)CEO	Collector to Emitter breakdown voltage	IC=100 μA, RBE=∞	-50	—	—	V
ICBO	Collector cut off current	VCE=-60V, IE=0	—	—	-0.1	μA
IEBO	Emitter cut off current	VEB=-6V, IC=0	—	—	-0.1	μA
hFE*	DC forward current gain	VCE=-6V, IC=-1mA	150	—	500	—
hFE	DC forward current gain	VCE=-6V, IC=-0.1mA	90	—	—	—
VCE(sat)	Collector to Emitter saturation voltage	IC=-100mA, IB=-10mA	—	—	-0.3	V
fT	Gain band width product	VCE=-6V, IE=10mA	—	200	—	MHZ
Cob	Collector output capacitance	VCE=-6V, IE=0, f=1MHZ	—	4.0	—	pF
NF	Noise figure	VCE=6V, IE=0.3mA, f=100HZ, RG=10k Ω	—	—	20	dB

* : It shows hFE classification in right table.

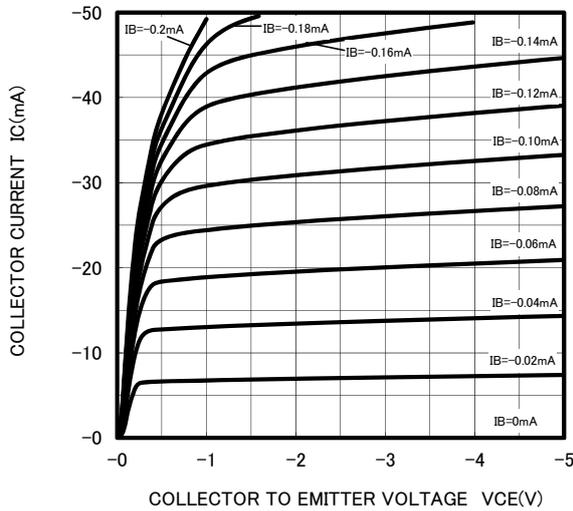
item	E	F
hFE	150~300	250~500

RT3AMMAM1

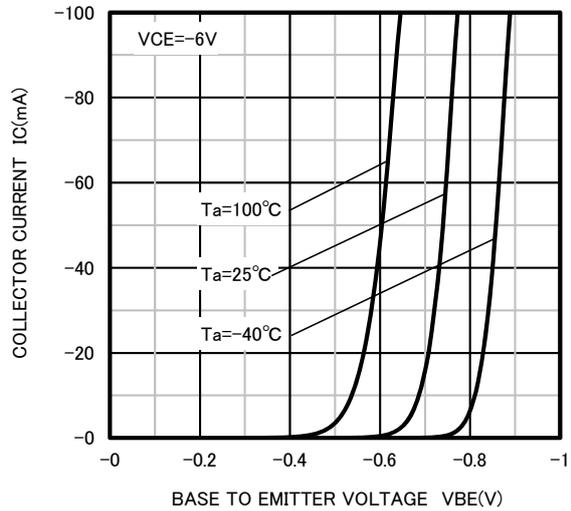
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TYPICAL CHARACTERISTICS (Tr1, Tr2.)

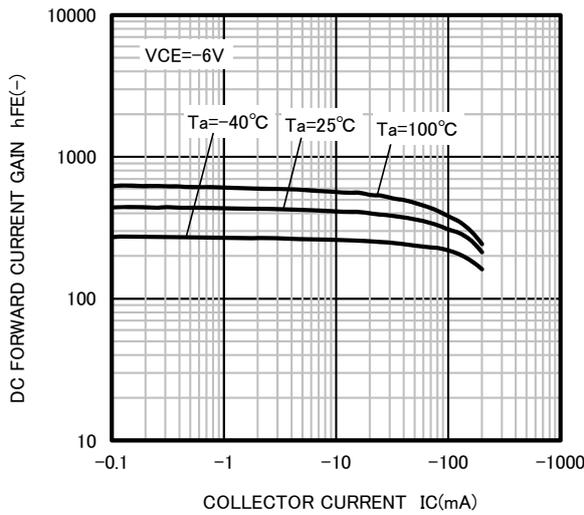
COMMON EMITTER OUTPUT



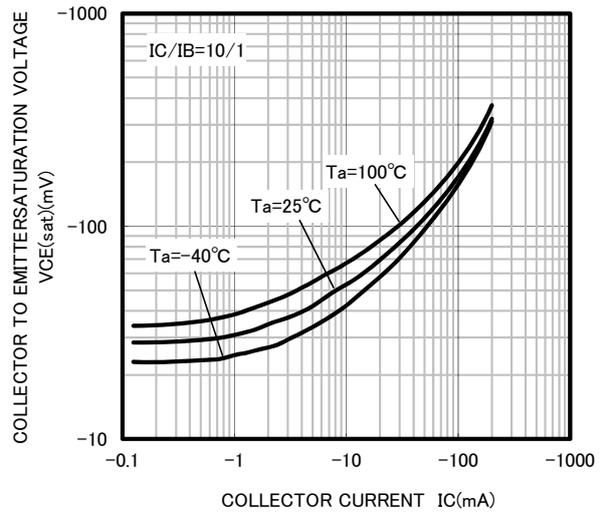
COMMON EMITTER TRANSFER



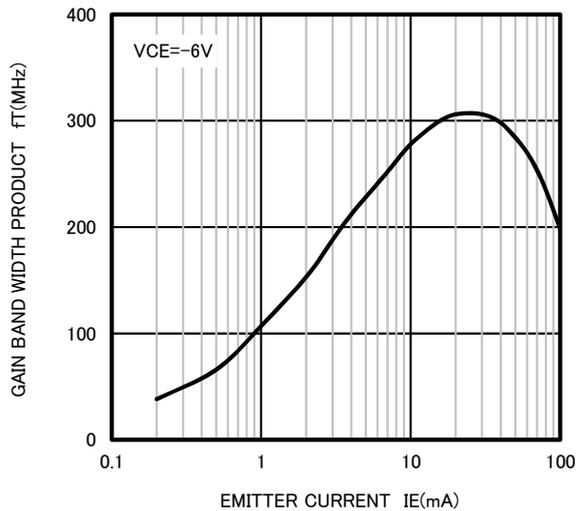
DC FORWARD CURRENT GAIN VS. COLLECTOR CURRENT



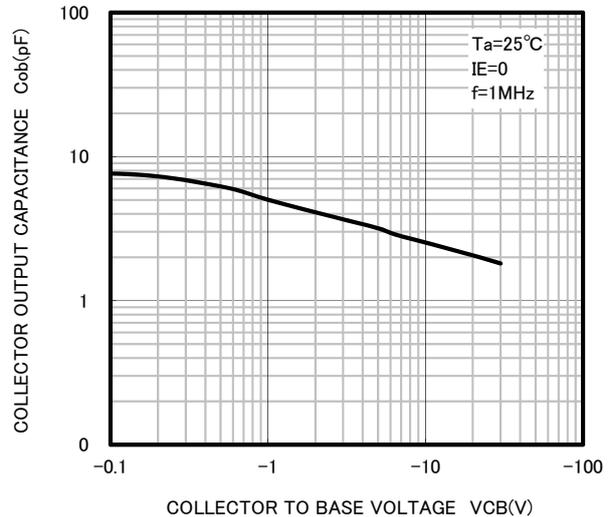
COLLECTOR TO EMITTERSATURATION VOLTAGE VS. COLLECTOR CURRENT



GAIN BAND WIDTH PRODUCT VS. EMITTER CURRENT



COLLECTOR OUTPUT CAPACITANCE VS. COLLECTOR TO BASE VOLTAGE





6-41 Tsukuba, Isahaya, Nagasaki, 854-0065 Japan

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