

RT3AMMAM1

Composite Transistor
For Low Frequency Amplify Application
Silicon Pnp Epitaxial Type

DESCRIPTION

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

FEATURE

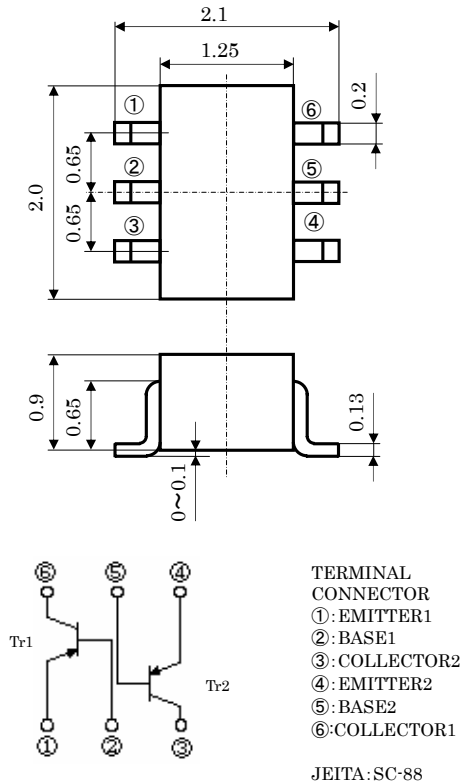
Silicon pnp epitaxial type
Each transistor elements are independent.
Mini package for easy mounting

APPLICATION

For low frequency amplify application

OUTLINE DRAWING

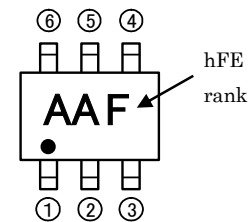
Unit: mm



MAXIMUM RATING ($T_a=25^\circ\text{C}$) (The characteristics apply to both Tr1 and Tr2.)

SYMBOL	PARAMETER	RATING	UNIT
V_{CBO}	Collector to Base voltage	-60	V
V_{EBO}	Emitter to Base voltage	-6	V
V_{CEO}	Collector to Emitter voltage	-50	V
I_C	Collector current	-200	mA
P_C	Collector dissipation (Total, $T_a=25^\circ\text{C}$)	150	mW
T_j	Junction temperature	+125	$^\circ\text{C}$
T_{stg}	Storage temperature	-55 ~ +125	$^\circ\text{C}$

MARKING



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ELECTRICAL CHARACTERISTICS (Ta=25°C) (The characteristics apply to both Tr1 and Tr2.)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Typ	Max	
V(BR)CEO	Collector to Emitter break down voltage	$I_C=100\mu A, R_{BE}=\infty$	-50	-	-	V
ICBO	Collector cut off current	$V_{CB}=-60V, I_E=0$	-	-	-0.1	μA
IEBO	Emitter cut off current	$V_{EB}=-6V, I_C=0$	-	-	-0.1	μA
hFE*	DC forward current gain	$V_{CE}=-6V, I_C=-1mA$	150	-	500	-
hFE	DC forward current gain	$V_{CE}=-6V, I_C=-0.1mA$	90	-	-	-
VCE(sat)	Collector to Emitter saturation voltage	$I_C=-100mA, I_B=-10mA$	-	-	-0.3	V
fT	Gain band width product	$V_{CE}=-6V, I_E=10mA$	-	200	-	MHZ
Cob	Collector output capacitance	$V_{CB}=-6V, I_E=0, f=1MHz$	-	4.0	-	pF
NF	Noise figure	$V_{CE}=6V, I_E=0.3mA, f=100Hz, R_G=10k\Omega$	-	-	20	dB

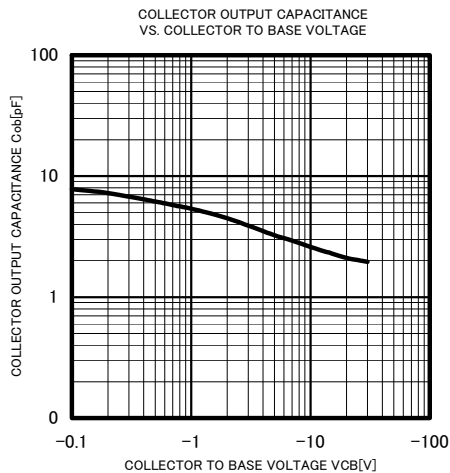
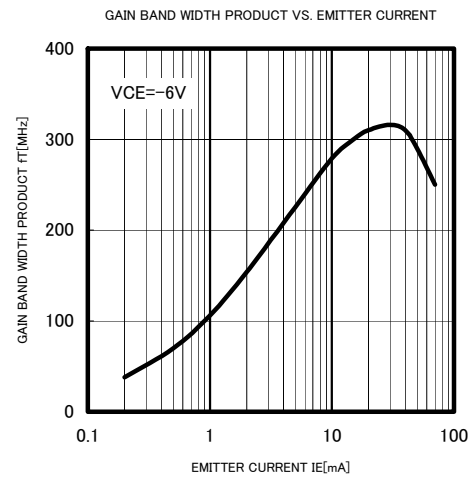
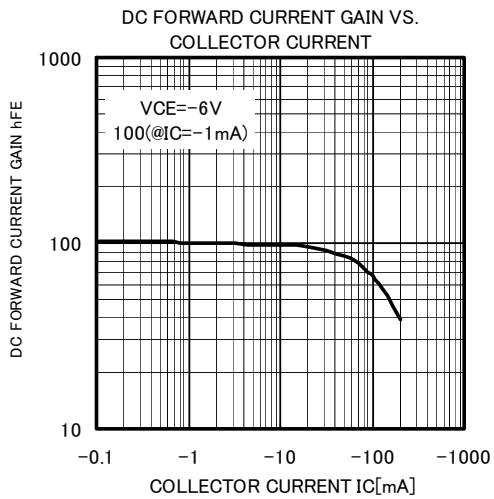
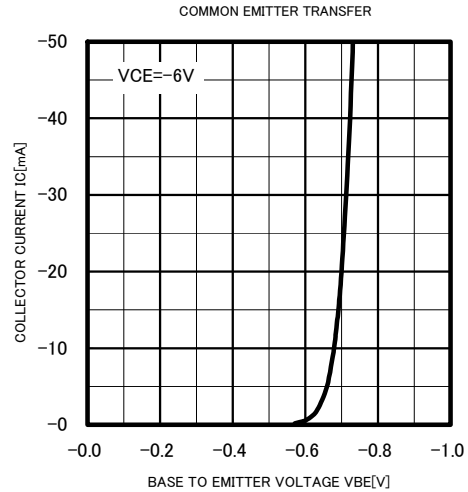
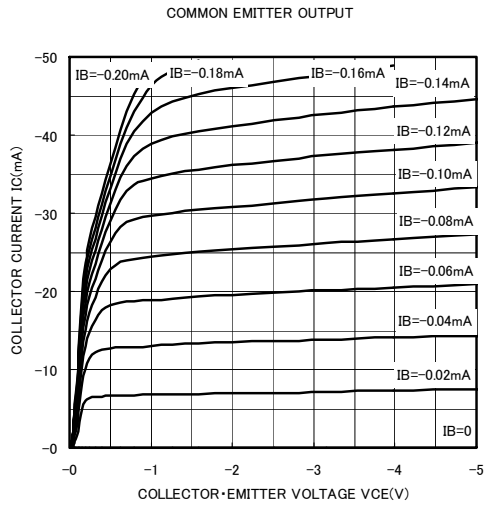
* : It shows hFE classification in right table.

item	E	F
hFE	150~300	250~500

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TYPICAL CHARACTERISTICS (Tr1, Tr2)





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