PRELIMINARY

<SMALL-SIGNAL TRANSISTOR>

INA6002AC1

Notice: This is not a final specification. Some parametric subject to change.

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE

DESCLIPTION

INA6002AC1 is a silicon PNP epitaxial type transistor.

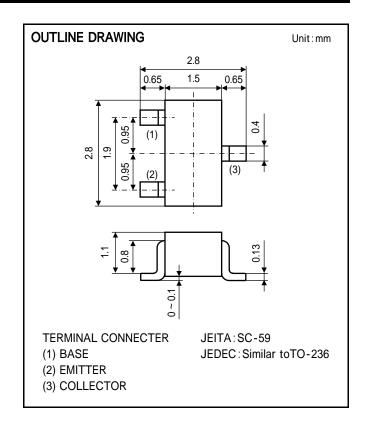
It is designed with high voltage.

FEATURE

- ·Super mini package for easy mounting.
- · Hige voltage VcEo=-300V

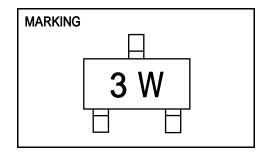
APPLICATION

DC/DC convertor, High voltage switching



MAXIMUM RATINGS (Ta=25)

Symbol	Parameter	Ratings	Unit
Vсво	Collector-Base Voltage -300		V
VEBO	Emitter-Base Voltage	itter-Base Voltage -7	
VCEO	Collector-Emitter Voltage -300		V
Ic	Collector Current	-50	mA
Pc	Collector Dissipation	150	mW
Tj	Junction Temperature	150	
Tstg	Storage Temperature	-55 ~ +150	



ELECTRIC CHARACTERISTICS (Ta=25)

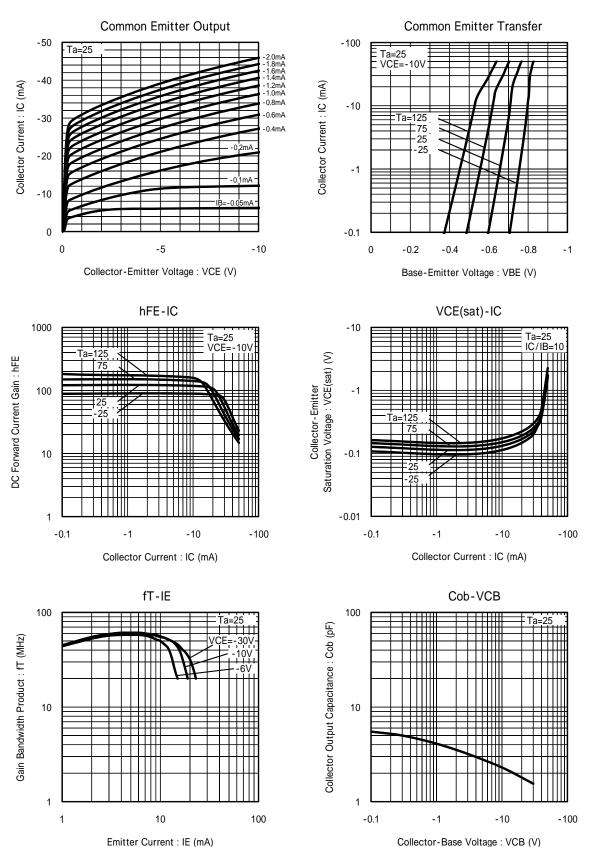
Symbol	Parameter	Test conditions		Limits		
			Min	Тур	Max	Unit
V(BR)CBO	Collector-Base Breakdown Voltage	Ic=-50μA , IE=0	-300	-	-	V
V(BR)EBO	Emitter-Base Breakdown Voltage	IE=-50μA , IC=0	-7	-	-	V
V(BR)CEO	Collector-Emitter Breakdown Voltage	Ic=-1mA , RBE=	-300	-	-	V
Ісво	Collector Cutoff Current	Vcb=-300V , IE=0	-	-	-0.5	μA
lево	Emitter Cutoff Current	VEB=-5V , IC=0	-	-	-0.5	μA
hFE	DC Forward Current Gain	VCE=-10V, IC=-1mA	50	-	305	-
VCE(sat)	Collector-Emitter Saturation Voltage	Ic=-10mA , IB=-1mA	-	-	-1.0	V
f⊤	Gain Bandwidth Product	Vce=-6V , Ie=10mA	-	50	-	MHz
Cob	Collector Output Capacitance	Vcb=-6V , IE=0 , f=1MHz	-	2.6	-	pF

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FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE

TYPCAL CHARACERISTICS





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