INA6002AC1

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE

DESCLIPTION

INA6002AC1 is a silicon PNP epitaxial type transistor.

It is designed with high voltage.

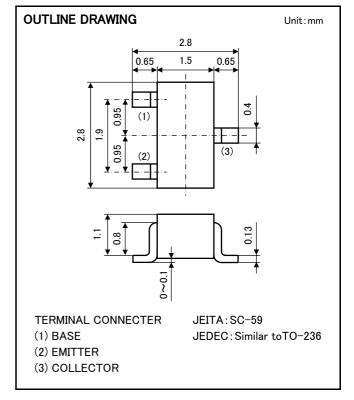
FEATURE

·Super mini package for easy mounting.

•Hige voltage VCEO=-300V

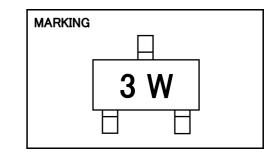
APPLICATION

DC/DC convertor, High voltage switching



MAXIMUM RATINGS (Ta=25°C)

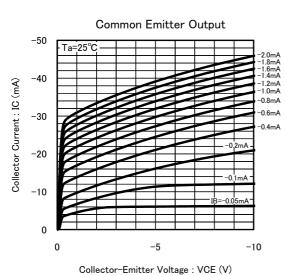
Symbol	Parameter	Ratings	Unit	
Vсво	Collector-Base Voltage	-300	V	
Vebo	Emitter-Base Voltage	-7	V	
Vceo	Collector-Emitter Voltage	-300	V	
Ic	Collector Current	-50	mA	
Pc	Collector Dissipation	150	mW	
Tj	Junction Temperature	150	°C	
Tstg	Storage Temperature	-55~+150	°C	



ELECTRIC CHARACTERISTICS (Ta=25°C)

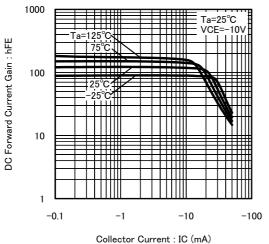
Symbol	Parameter	Test conditions	Limits			
			Min	Тур	Max	Unit
V(BR)CBO	Collector-Base Breakdown Voltage	Ic=-50μA, Iε=0	-300	-	-	V
V(BR)EBO	Emitter-Base Breakdown Voltage	IE=-50μA, Ic=0	-7	I	-	V
V(BR)CEO	Collector-Emitter Breakdown Voltage	Ic=−1mA, R _{BE} =∞	-300	I	-	V
Ісво	Collector Cutoff Current	Vcb=-300V, Ie=0	-	Ι	-0.5	μA
Іево	Emitter Cutoff Current	VEB=-5V, IC=0	-	I	-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
fT	Gain Bandwidth Product	Vce=-6V, Ie=10mA	-	50	-	MHz
Cob	Collector Output Capacitance	Vcb=-6V, Ie=0, f=1MHz	_	2.6	_	pF

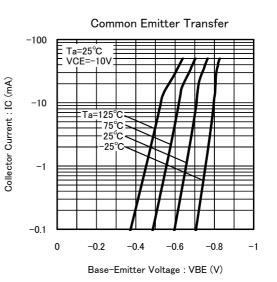
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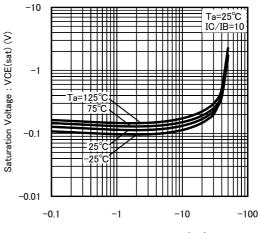
TYPCAL CHARACERISTICS



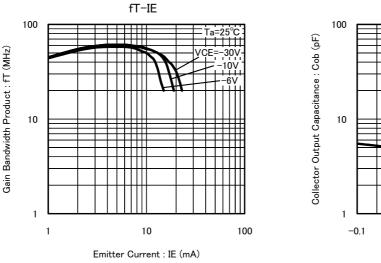




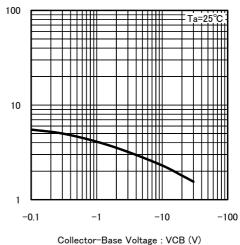




 $Collector \ Current: IC \ (mA)$



Cob-VCB



ISAHAYA ELECTRONICS CORPORATION

Collector-Emitter



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

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