INA6006AP1

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON PNP EPITAXIAL TYPE

DESCRIPTION

INA6006AP1 is a silicon PNP transistor.

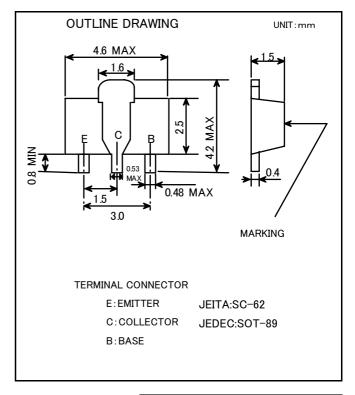
It is designed with high voltage.

FEATURE

- ·Small package for easy mounting.
- •High voltage $V_{CEO} = -150V$
- •Low voltage VCE(sat) = −0.5V(MAX)
- •Complementary : INC6006AP1

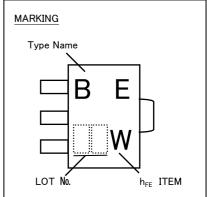
APPLICATION

High voltage switching.



MAXIMUM RATING (Ta=25°C)

SYMBOL	PARAMETER	RATING	UNIT
V _{CBO}	Collector to Base voltage	-160	٧
V _{EBO}	Emitter to Base voltage	-5	٧
V _{CEO}	Collector to Emitter voltage	-150	٧
I _{CM}	Peak collector current	-200	mA
I _C	Collector current	-100	mA
P _C	Collector dissipation(Ta=25°C)	500	mW
T _j	Junction temperature	+150	လူ
T_{stg}	Storage temperature	-55 ~ +150	°C



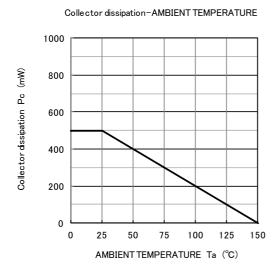
ELECTRICAL CHARACTERISTICS (Ta=25°C)

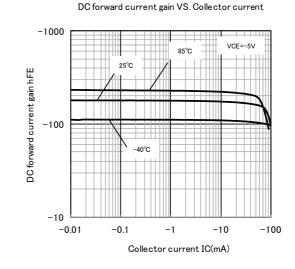
SYMBOL	PARAMETER	TEST CONDITIONS		LIMITS		
		TEST CONDITIONS	MIN	TYP	MAX	UNIT
V _{(BR)CBO}	C to B break down voltage	$_{\rm c}$ =-100 μ A, $_{\rm E}$ =0mA	-160	_	-	٧
V _{(BR)EBO}	E to B break down voltage	$_{\rm I}$ _e =-10 μ A, $_{\rm C}$ =0mA	-5	-	-	٧
V _{(BR)CEO}	C to E break down voltage	$I_c=-1$ mA, $R_{BE}=\infty$	-150	-	-	٧
I _{CBO}	Collector cut off current	V_{CB} =-120V, I $_{E}$ =0mA	-	-	-100	nA
I _{EBO}	Emitter cut off current	V_{EB} =-3V, I $_{C}$ =0mA	_	-	-100	nA
hFE1	DC forward current gain1	VCE=-5V, I $_{\rm C}$ =-1mA	45	-	-	-
hFE2	DC forward current gain2	VCE=-5V, I $_{\rm c}$ =-10mA	90	-	270	-
hFE3	DC forward current gain3	VCE=-5V, I $_{\rm c}$ =-50mA	45	-	-	-
VCE(sat)1	C to E saturation voltage1	$_{\rm C}$ =-10mA, $_{\rm B}$ =-1mA	-	-	-0.2	٧
VCE(sat)2	C to E saturation voltage2	I $_{\rm C}$ =-50mA, I $_{\rm B}$ =-5mA	-	-	-0.5	٧
VBE(sat)1	B to E saturation voltage1	$_{\rm C}$ =-10mA, $_{\rm B}$ =-1mA	-	-	-1.0	٧
VBE(sat)2	B to E saturation voltage2	I $_{\rm C}$ =-50mA, I $_{\rm B}$ =-5mA	-	-	-1.0	٧
VBE(on)	B to E on voltage	VCE=-5V, I _c =-10mA	-	-	-0.77	V
fT	Gain bandwidth product	VCE=-10V, I _E =10mA	100	-	300	MHz
Cob	Collector output capacitance	VCB=-10V, I _E =0mA, f=1MHz	-	2.8	6	pF

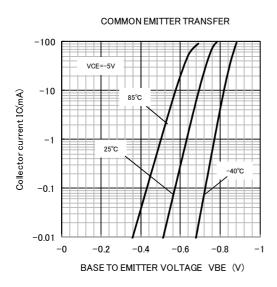
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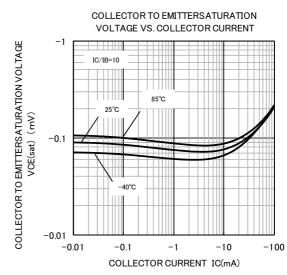
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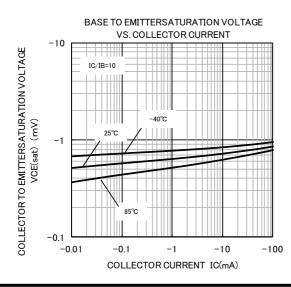
TYPICIAL CHARACTERISTICS

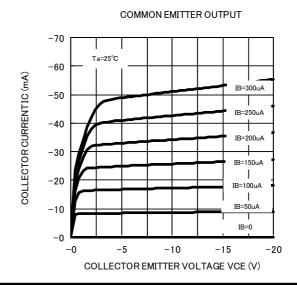






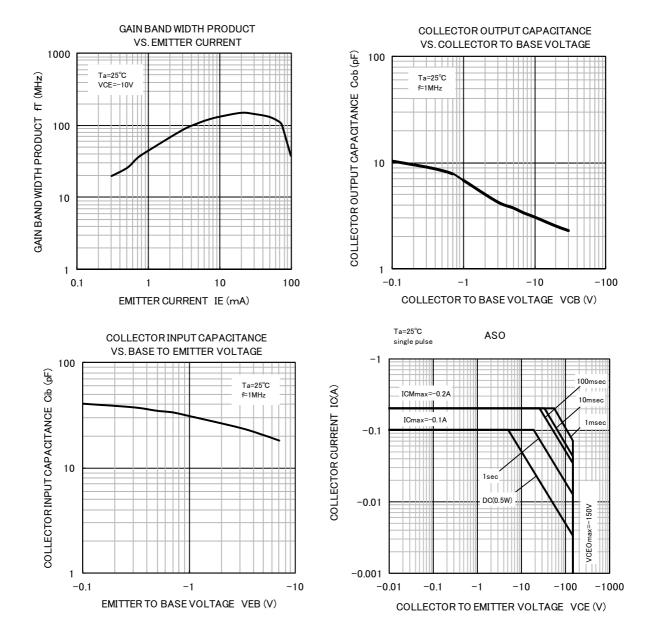






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