PRELIMINARY

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

INA6001AP1

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON PNP EPITAXIAL TYPE

DESCRIPTION

INA6001AP1 is a silicon PNP transistor.

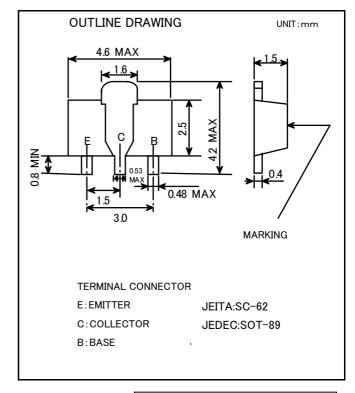
It is designed with high voltage.

FEATURE

- ·Small package for easy mounting.
- •High voltage $V_{CEO} = -100V$
- •High collector current Ic=-1A
- •Low voltage VCE(sat) = -0.5V(MAX)

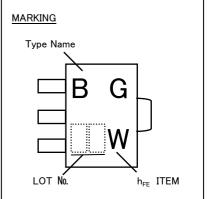
APPLICATION

Relay drive, Power supply



MAXIMUM RATING (Ta=25°C)

SYMBOL	PARAMETER	RATING	
V _{CBO}	Collector to Base voltage	-120	٧
V _{EBO}	Emitter to Base voltage	-6	٧
V _{CEO}	Collector to Emitter voltage	-100	٧
I c	Collector current	-1	Α
Pc	Collector dissipation(Ta=25°C)	500	mW
Tj	Junction temperature	+150	°C
T_{stg}	Storage temperature	-55 ~ +150	°C



ELECTRICAL CHARACTERISTICS (Ta=25°C)

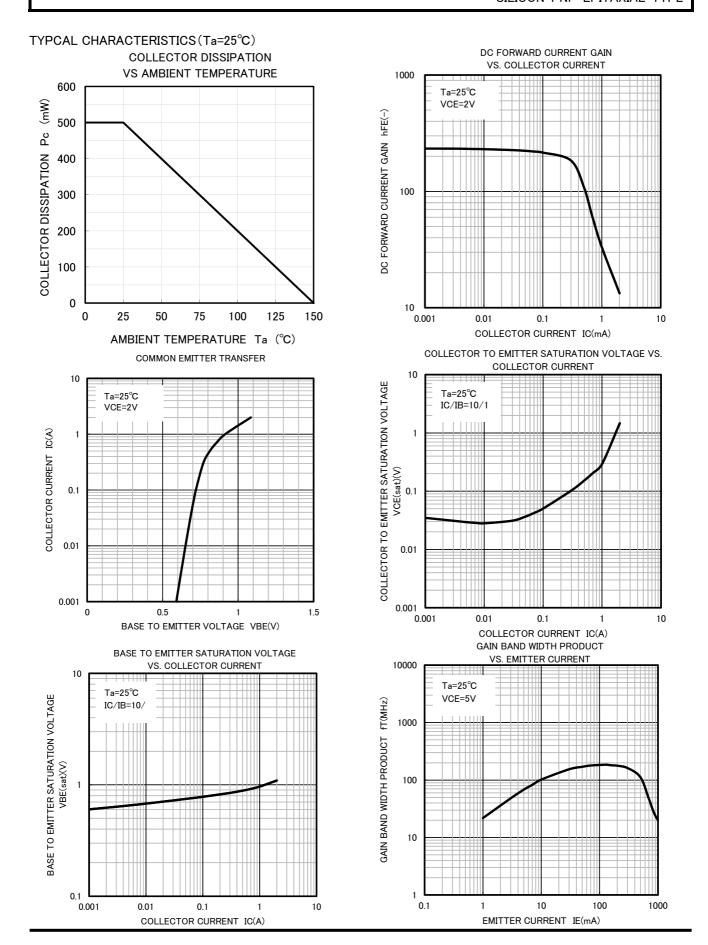
SYMBOL	PARAMETER	TEST CONDITIONS	LIMITS			UNIT
			MIN	TYP	MAX	UNIT
V _{(BR)CBO}	C to B break down voltage	I_{c} =-100 μ A, I_{E} =0mA	-120	_	-	V
V _{(BR)EBO}	E to B break down voltage	$I_{E}=-100 \mu A$, $I_{C}=0mA$	-6	_	_	٧
V _{(BR)CEO}	C to E break down voltage	I _C =-10mA, R _{BE} =∞	-100	_	_	٧
I _{CBO}	Collector cut off current	V_{CB} =-120V, I $_{E}$ =0mA	_	-	-500	nA
I _{EBO}	Emitter cut off current	V _{EB} =-6V, I _C =0mA	_	_	-500	nA
hFE1	DC forward current gain1	V _{CE} =-2V, I _C =-150mA	140	_	330	-
hFE2	DC forward current gain2	V _{CE} =-5V, I _C =-1A	40	_	-	_
VCE(sat)	C to E saturation voltage	I _C =-500mA, I _B =-50mA	-	-	-0.5	٧
VBE(sat)	B to E saturation voltage	I _C =-500mA, I _B =-50mA	_	_	-1.1	٧
fT	Gain bandwidth product	V _{CE} =-5V, I _E =50mA	100	-	-	MHz
Cob	Collector output capacitance	V _{CB} =-10V, I _E =0mA, f=1MHz	_	_	10	pF

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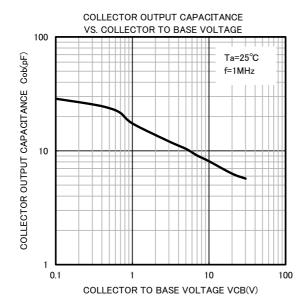


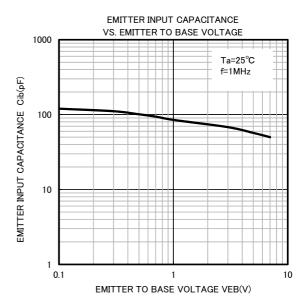
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FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON PNP EPITAXIAL TYPE







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