INA5006AC1-T150

FOR HIGH CURRENT DRIVE APPLICATION SILICON PNP EPITAXIAL TYPE

AEC-Q101 Compliance

DESCRIPTION

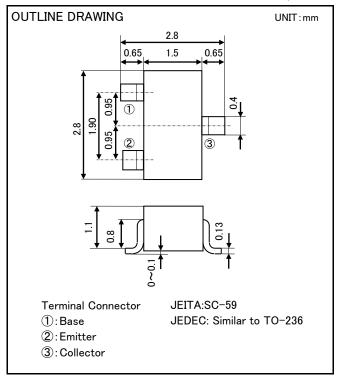
INA5006AC1 is a silicon PNP epitaxial type transistor. It is designed with high collector current and small $V_{\text{CE(sat)}}$.

FEATURE

- ·Super mini package for easy mounting
- High collector current(I_C =-2A)
- •Low collector saturation voltage $(V_{CE(sat)}{=}{-}0.2V_{max}\ @I_C{=}{-}1A\ ,\ I_B{=}{-}33mA)$

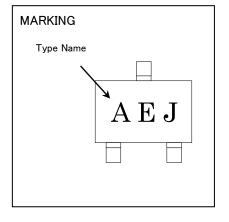
APPLICATION

Audiovisual apparatus, Relay drive



MAXIMUM RATING (Ta=25°C)

SYMBOL	PARAMETER	RATING	UNIT	
V_{CEO}	Collector to Emitter voltage	lector to Emitter voltage -50		
V_{CBO}	Collector to Base voltage	-50	٧	
V_{EBO}	Emitter to Base voltage	-7	٧	
Ιc	Collector current	-2	Α	
Pc	Collector dissipation	200	mW	
		900(*)		
T _j	Junction temperature	+150	°C	
T_{stg}	Storage temperature	± temperature −55~ +150		



ELECTRICAL CHARACTERISTICS (Ta=25°C)

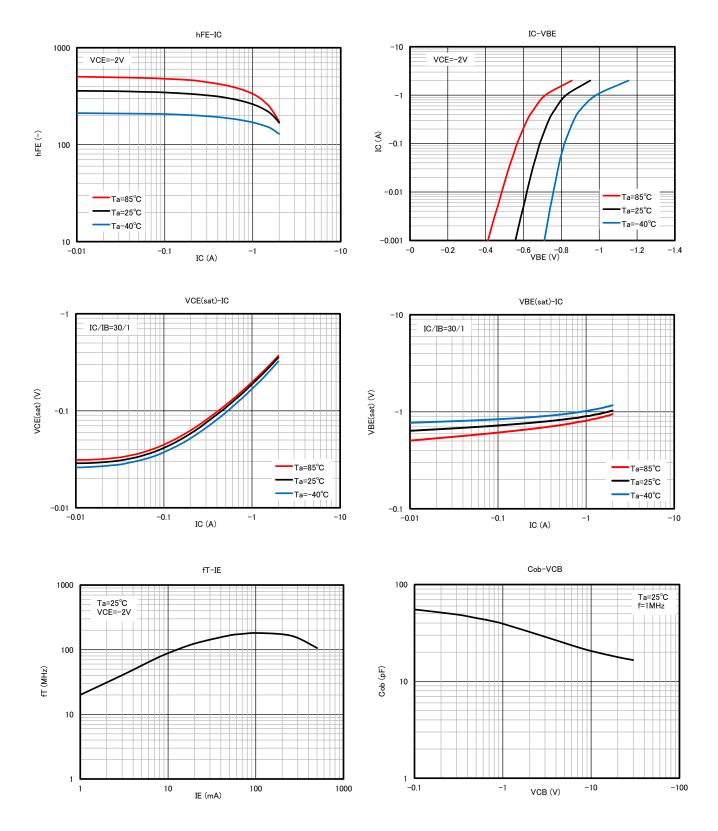
SYMBOL	PARAMETER	TEST CONDITIONS	LIMITS			LINIT
STMBOL		TEST CONDITIONS	MIN	TYP	MAX	UNIT
$V_{(BR)CEO}$	C to E breakdown voltage	$I_{C}=-10$ mA, $I_{B}=0$ mA	-50	_	_	V
$V_{(BR)CBO}$	C to B breakdown voltage	$I_{C}=-100 \mu A, I_{E}=0mA$	-50	-	_	٧
$V_{(BR)EBO}$	E to B breakdown voltage	$I_E=-100 \mu A, I_C=0mA$	-7	-	_	٧
I _{CBO}	Collector cut off current	V_{CB} =-50V, I _E =0mA	_	_	-0.1	μΑ
\mathbf{I}_{EBO}	Emitter cut off current	V_{EB} =-7V, I $_{C}$ =0mA	_	-	-0.1	μΑ
h _{FE1}	DC forward current gain1	V_{CE} =-2V, I $_{C}$ =-300mA	200	-	500	-
h _{FE2}	DC forward current gain2	V _{CE} =-2V, I _C =-1A	100	_	_	-
$V_{\text{CE(sat)}}$	C to E saturation voltage	$I_{C}=-1A$, $I_{B}=-33mA$	_	-	-0.2	٧
$V_{BE(sat)}$	B to E saturation voltage	I _C =-1A, I _B =-33mA	_	_	-1.1	٧
f _T	Gain bandwidth product	V _{CE} =-2V, I _E =300mA, f=100MHz	_	180	_	MHz
Cob	Collector output capacitance	V _{CB} =-10V, f=1MHz	_	20	_	pF

^{*}Mounted on ceramic board(19mm \times 9mm \times 1mm)

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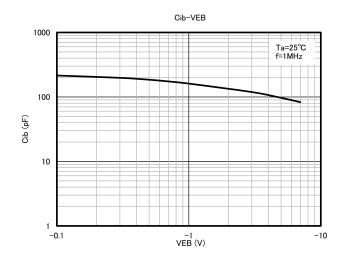
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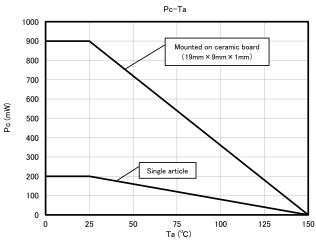
TYPICAL CHARACTERISTICS

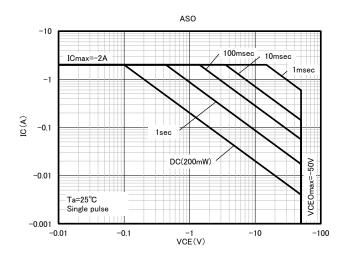


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