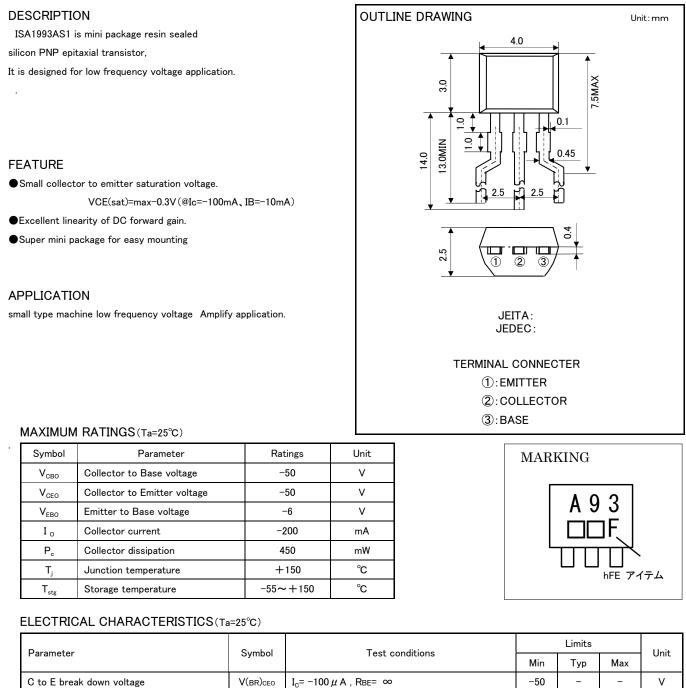
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FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON PNP EPITAXIAL TYPE(FRAME TYPE)



C to E break down voltage	V(BR)CEO	I_c = -100 μ A , RBE= ∞	-50	-	-	V
Collector cut off current	Ісво	V $_{CB}$ = -50V , I $_{E}$ = 0mA	-	-	-0.1	μA
Emitter cut off current	IEBO	V $_{\rm EB}$ = -6V , I $_{\rm C}$ = 0mA	-	I	-0.1	μA
DC forward current gain	hFE	$V_{CE} = -6V$, $I_C = -1mA$	150	I	500	-
DC forward current gain	hFE	V $_{CE} = -6V$, $I_C = -0.1 \text{mA}$	50	-	-	_
C to E Saturation Vlotage	VCE(sat)	I $_{c}$ = -100mA , I $_{B}$ = -10mA	-	-	-0.3	V
Gain bandwidth product	fT	V $_{CE}$ = -6V , I $_{E}$ = 10mA	-	200	-	MHz
Collector output capacitance	Cob	V $_{CB}$ = -6V , I $_{E}$ = 0mA,f=1MHz	_	4.0	-	pF
NoiseFigure	NF	V $_{\text{CE}}\text{=}$ –6V , I $_{\text{E}}\text{=}$ 0.3mA,f=100Hz,Rg=10k Ω	-	_	20	dB

%) It shows hFE classification in below table.

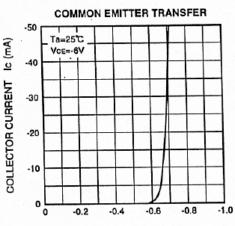
ltem	E	F	
hFE item	150~300	250~500	

TYPICAL CHARACTERISTICS

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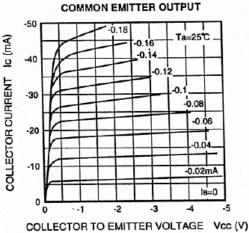
FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON PNP EPITAXIAL TYPE(FRAME TYPE)

COLLECTOR DISSIPATION VS AMBIENT TEMPERATURE

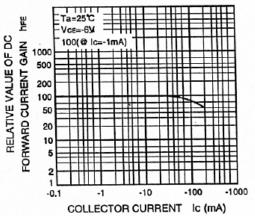


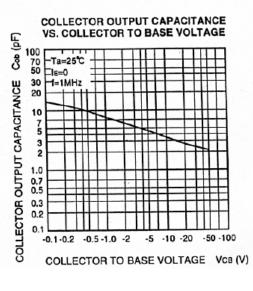
BASE TO EMITTER VOLTRGE VBE (V)

GAIN BAND WIDTH PRODUCT VS. EMITTER CURRENT ft (MHz) 250 Ta=25°C VCE=-6V 200 GAIN BAND WIDTH PRODUCT 150 100 50 0 20 50 100 5 10 0.1 0.2 0.5 2 1 EMITTER CURRENT IE (mA)



DC FORWORD CURRENT GAIN VS. COLLECTOR CURRENT





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