RT1A3906-T122

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON PNP EPITAXIAL TYPE(mini type)

DESCRIPTION

RT1A3906 is a super mini package resin sealed silicon PNP epitaxial transistor,

It is designed for low frequency voltage application.

FEATURE

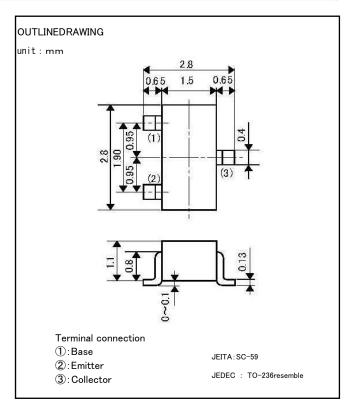
- ●Excellent linearity of DC forward gain.
- Super mini package for easy mounting
- Small collector to emitter saturation voltage. VCE (sat) =-0. 4Vmax (@Ic=-50mA, IB=-5mA)

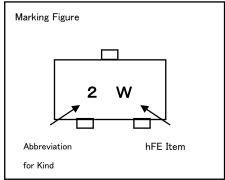
APPLICATION

For Hybrid IC,small type machine low frequency voltage Amplify application.

MAXIMUM RATINGS(Ta=25°C)

Symbol	Parameter	Ratings	Unit	
V _{CBO}	Collector to Base voltage	-60	٧	
V _{CEO}	Collector to Emitter voltage	-40	٧	
V _{EBO}	Emitter to Base voltage	-6	٧	
I c	Collector current	200	mA	
P _c	Collector dissipation	150	mW	
T _j	Junction temperature	+150	°C	
T_{stg}	Storage temperature	age temperature −55~+150		

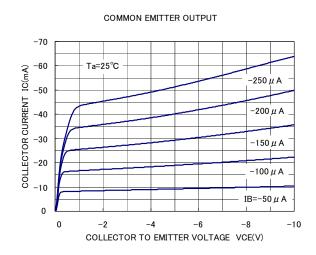


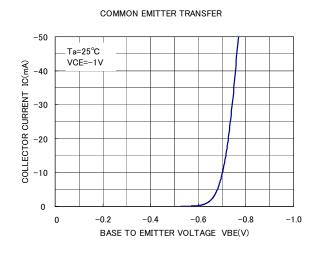


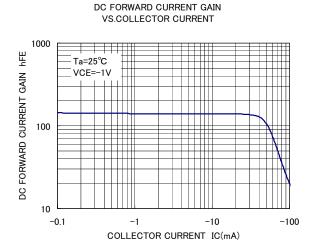
ELECTRICAL CHARACTERISTICS(Ta=25°C)

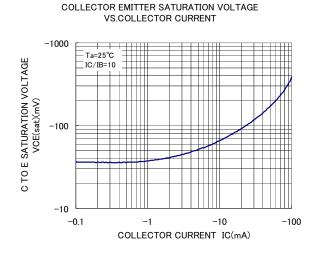
Symbol	Parameter	Test conditions	Limits			Unit
			Min	Min	Min	Offic
V (BR) CEO	C to E break down voltage	I c=−1mA, RBE=∞	-40			٧
V (BR) CBO	C to B break down voltage	I c=-10 μ A, I E=0	-60			٧
V (BR) EB0	E to B break down voltage	IE =-10 μ A, Ic=0	-6			٧
IBL	Base cut off current	Vce=-30V, Veb=-3V			-50	nA
ICEX	Collector cut off current	Vce=-30V, Veb=-3V			-50	nA
h FE	DC forward current gain	Vce=-1V, Ic=-10mA	100		300	
V CE (sat)	C to E Saturation Voltage	Ic=-50mA, I B=-5mA	_		-400	mV
V BE (sat)	B to E Saturation Voltage	Ic=-50mA, I B=-5mA	_		-950	mV
f T	Gain bandwidth product	VCE=-20V, I c=-10mA ,f=100MHz	250		_	MHz
Cob	Collector output capacitance	VCB=-5V, IE=0, f=1MHz	_		5. 0	pF

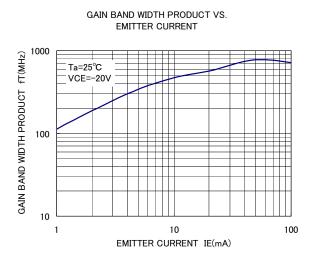
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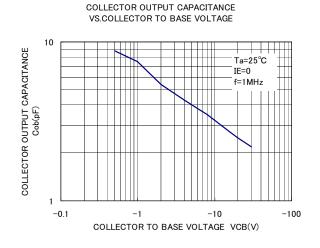














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