2SA1282, 2SA1282A

FOR LOW FREQUENCY POWER AMPLIFY APPLICATION SILICON PNP EPITAXIAL TYPE

DESCRIPTION

2SA1282, 2SA1282A is a silicon PNP epitaxial type transistor designed for small type motor drive, solenoid drive and power supply application.

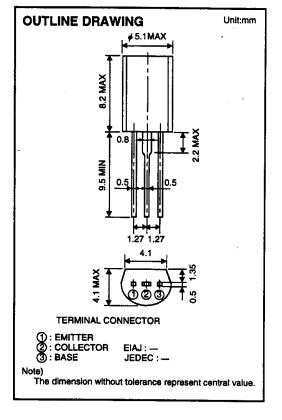
Complementary with 2SC3242, 2SC3242A.

FEATURE

- ●High collector current I c=-2A
- ◆Low collector saturation voltage VcE(sat)=-0.17V typ (② ic=-1A)
- ●High hFE=150 to 800
- ●High collector dissipation Pc=900mW

APPLICATION

VCR, deck, small type motor drive for player, power supply, etc.



MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Ra	Unit	
	T arameter	2SA1282	2SA1282A	OTH
Vсво	Collector to Base voltage	-20	-20	٧
VEBO	Emitter to Base voltage	-6	-6	V
VCEO	Collector to Emitter voltage	-16	-20	٧
ICM	Peak collector current	-3		Α
lc	Collector current	-2		Α
Pc	Collector dissipation	900		mW
Tj	Junction temperature	+150		°C
Tstg	Storage temperature	-55 to +150		°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

Symbol	Parameter	Test conditions	Limits					T	
			2SA1282			2SA1282A			Unit
			Min	Тур	Max	Min	Тур	Max	1
V(BR)CBO	C to B break down voltage	Ic = -10 μA, IE=0	-20			-20	1		V
V(BR)EBO	E to B break down voitage	IE = -10 μA, IC=0	-6			-6			V
V(BR)CEO	C to E break down voltage	Ic = -2 mA, RBE= [∞]	-16	1		-20			V
Ісво	Collector cut off current	VcB = -16 V, IE=0			-0.2			-0.2	μА
lebo	Emitter cut off current	VEB = -4V, IC=0		1	-0.2			-0.2	μА
hFE *	DC forward current gain	Vce = -4 V, Ic=-100mA	150		800	150		500	<u> </u>
VCE(sat)	C to E saturation Voltage	Ic = -1A, IB= -50mA		-0.17	-0.3		-0.17	-0.3	v
fī	Gain band width product	Vce= -2V, le=10mA		80		<u> </u>	80		MHz
Сов	Collector out put capacitance	VCB= -10V, IE= 0, f=1MHz,		42			42	 	pF

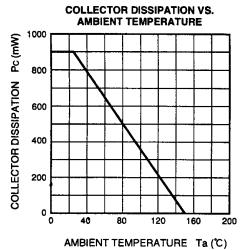
^{* :} It shows her classification in right table.

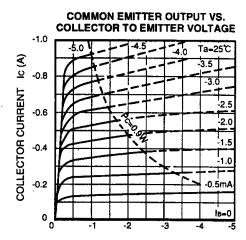
Item	E	F	G
hFE	150 to 300	250 to 500	400 to 800

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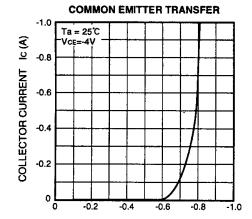
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TYPICAL CHARACTERISTICS

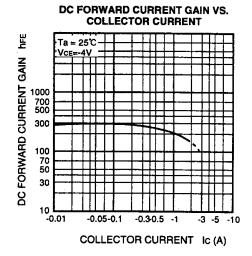


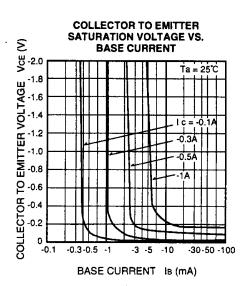


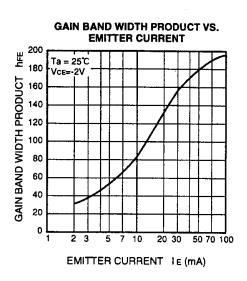
COLLECTOR TO EMITTER VOLTAGE VCE (V)



BASE TO EMITTER VOLTAGE VBE (V)

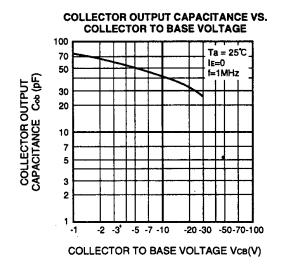






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