FOR LOW FREQUENCY POWER AMPLIFY APPLICATION SILICON PNP EPITAXIAL TYPE

DESCRIPTION

2SA1364 is a silicon PNP epitaxial type transistor. It designed with high voltage, high collector current and high collector dissipation.

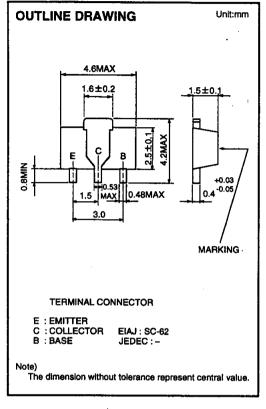
Complementary with 2SC3444.

FEATURE

- ●High voltage VcEo=-60V
- ●High collector current (Ic=-1A)
- ●Small collector to emitter saturation voltage VcE(sat)=-0.11V typ(@Ic=-500mA, IB=-25mA)
- ●High collector dissipation Pc=500mW
- Small package for mounting

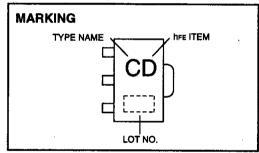
APPLICATION

Audio machine, VCR, relay drive of other electronic machine, power supply.



MAXIMUM RATINGS (Ta=25℃)

Symbol	Parameter	Ratings	Unit	
Vсво	Collector to Base voltage	-60	V	
VEBO	Emitter to Base voltage	-6	V	
VCEO	Collector to Emitter voltage	-60	V	
Ісм	Peak Collector current	-2	Α	
lc	Collector current	-1	Α	
Pc	Collector dissipation(Ta=25℃)	500	mW	
Tj	Junction temperature	+150	J.	
Tstg	Storage temperature	-55 to +150	ರೆ	



ELECTRICAL CHARACTERISTICS (Ta=25°C)

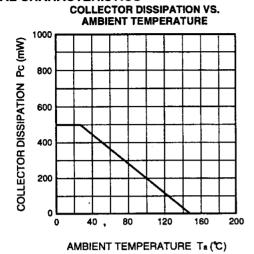
Symbol	Parameter	Test conditions	Limits			Unit
		1 65t COTIONIONS	Min	Тур	Max	CINC
V(BR)CBO	C to B break down voltage	IC=-10 μ A,IE=0	-60			V
V(BR)EBO	E to B break down voltage	IE=-10 μ A,IC=0	-6			V
V(BR)CEO	C to E break down voltage	lc=-2mA,RBE=∞	-60			V
Ісво	Collector cut off current	VcB=-50V,IE=0			-0.2	μΑ
IEBO	Emitter cut off current	VEB=-4V,IC=0		<u> </u>	-0.2	μΑ
hfe *	DC forward current gain	VcE=-4V,lc=100mA	55		300	
VCE(sat)	C to E saturation voltage	Ic=-500mA,IB=-25mA		-0.11	-0.3	V
fr	Gain band width product	VcE=-2V,IE=10mA		85		MHz
Cob	Collector output capacitance	Vcs=-10V,iE=0, f=1MHz		22		pF

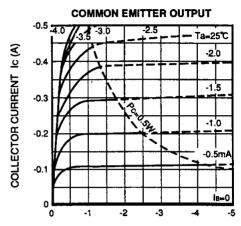
^{* :} It shows her classification in right table.

Marking	CC	CD	CE
hFE	55 to 110	90 to 180	150 to 300

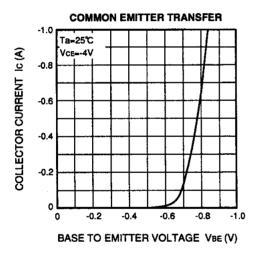
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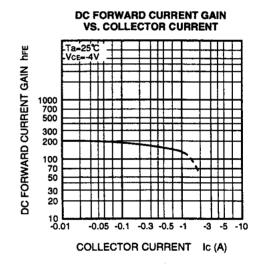
TYPICAL CHARACTERISTICS

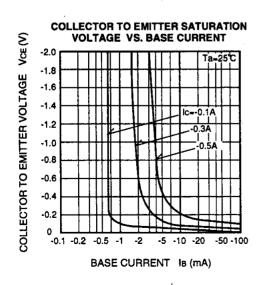


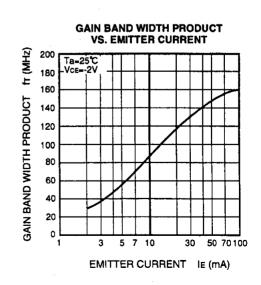


COLLECTOR TO EMITTER VOLTAGE VCE (V)

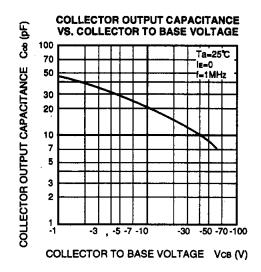








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