2SA1398

FOR HIGH CURRENT APPLICATION SILICON PNP EPITAXIAL TYPE

DESCRIPTION

2SA1398 is a silicon PNP epitaxial type transistor designed with high collector current, small VCE(sat).

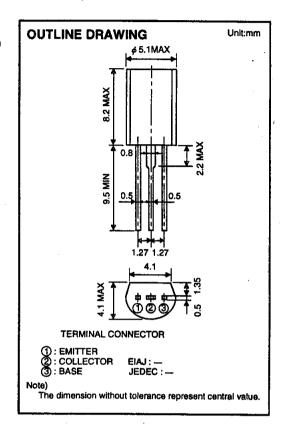
Complementary with 2SC3580.

FEATURE

- ●High collector current I cм=-1A
- ●High gain band width product ft=180MHz typ
- ●Low collector to emitter saturation voltage VCE(sat)=-0.25V typ
- Excellent linearity of DC foward current gain

APPLICATION

Small type motor drive, relay drive, power supply application.



MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Ratings	Unit
Vсво	Collector to Base voltage	-25	V
VEBO	Emitter to Base voltage	-4	V
VCEO	Collector to Emitter voltage	-20	V
ICM	Peak Collector current	-1	Α
lc	Collector current	-700	mA
Pc	Collector dissipation(Ta=25℃)	900	mW
Tj	Junction temperature	+150	°C
Tstg	Storage temperature	-55 to +150	Ĉ

ELECTRIAL CHARACTERISTICS RATINGS (Ta=25°C)

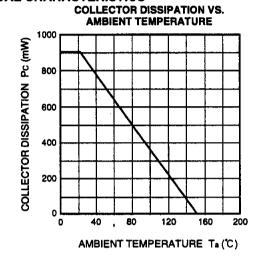
Symbol	Parameter	Test conditions	Limits			Unit
		1 est conditions	Min	Тур	Max	Unit
V(BR)CBO	C to B break down voltage	IC=-10 μ A,IE=0	-25			V
V(BR)EBO	E to B break down voltage	IE=-10 μ A,IC=0	-4			V
V(BR)CEO	C to E break down voltage	IC=-100 μ A,RBE=∞	-20			v
Ісво	Collector cut off current	VcB=-25V,IE=0			-1	μA
lebo	Emitter cut off current	VEB=-2V,IC=0			-1	μΑ
hre *	DC forward current gain	Vce=-4V,lc=-100mA	150		800	_
VCE(sat)	C to E saturation voltage	lc=-500mA,ls=-25mA		-0.25	-0.5	V
fı	Gain band width product	Vce=-6V,le=10mA		180		MHz

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

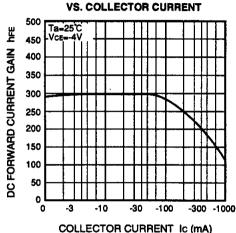
Item	E	F	G
hfE	150 to 300	250 to 500	400 to 800

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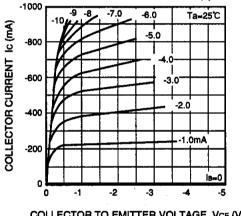
TYPICAL CHARACTERISTICS

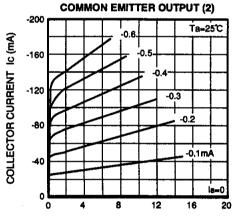


DC FORWARD CURRENT GAIN



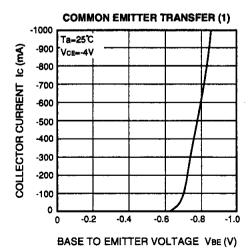
COMMON EMITTER OUTPUT (1)



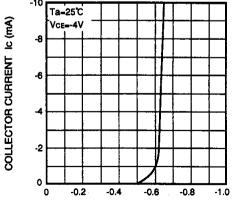


COLLECTOR TO EMITTER VOLTAGE VCE (V)





COMMON EMITTER TRANSFER (2)



BASE TO EMITTER VOLTAGE VBE (V)

查询"2SA1398"供应商



http://www.idc-com.co.jp 6-41, TSUKUBA, ISAHAYA, NAGASAKI, 854-0065, JAPAN

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