FOR GENERAL PURPOSE HIGH CURRENT DRIVE APPLICATION SILICON PNP EPITAXIAL TYPE

DESCRIPTION

2SA1399 is a silicon PNP epitaxial type transistor designed with high collector current, high voltage.

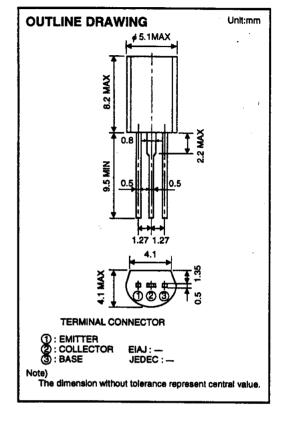
Complementary with 2SC3581.

FEATURE

- ●High collector current Icм=600mA
- ●High gain band width product fT=150MHz typ
- ●High VcEo VcEo=50V
- ●Excellent linearity of DC forward current gain

APPLICATION

For switching, small type motor drive application.



MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Ratings	Unit
Vсво	Collector to Base voltage	-55	V
VEBO	Emitter to Base voltage	-4	V
VCEO	Collector to Emitter voltage	-50	V
Ісм	Peak Collector current	-600	mA
lc	Collector current	-400	mA
Pc	Collector dissipation(Ta=25°C)	900.	mW
Tj	Junction temperature	+150	ဗ
Tstg	Storage temperature	-55 to +150	<u> </u>

ELECTRICAL CHARACTERISTICS (Ta=25°C)

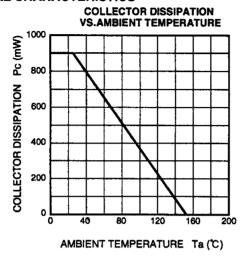
Symbol	Parameter	Test conditions		Limits		
			Min	Тур	Max	Unit
V(BR)CBO	C to B break down voltage	ic=-10 μ A,IE=0	-55			V
V(BR)EBO	E to B break down voltage	IE=-10 μ A,IC=0	-4			V
V(BR)CEO	C to E break down voltage	Ic=-100 μA,R8E=∞	-50			V
Ісво	Collector cut off current	VcB=-25V,IE=0			-1	μA
IEBO	Emitter cut off current	VEB=-2V,IC=0			-1	μA
hfe +	DC forward current gain	VcE=-4V,ic=-100mA	90		500	
VCE(sat)	C to E saturation voltage	lc=-200mA,iв=-10mA		-0.17	-0.5	V
fr	Gain band width product	Vce=-6V.le=10mA		150	1	MHz

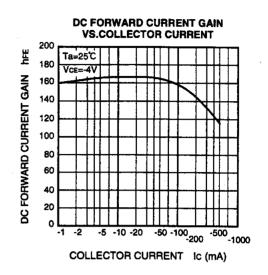
* : It shows her classification in right table.

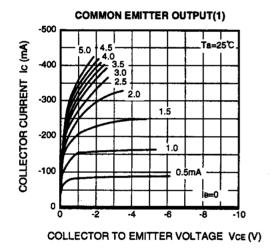
hFE 90 to 180 150 to 3	
1 10 10 10 10	300 250 to 500

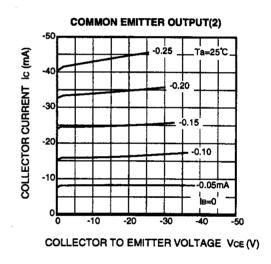
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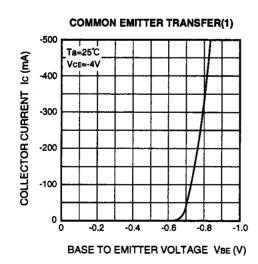
TYPICAL CHARACTERISTICS

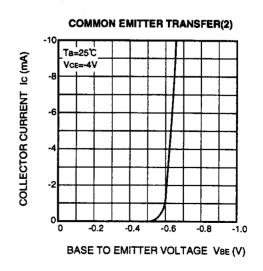














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