FOR HIGH CURRENT DRIVE APPLICATION SILICON PNP EPITAXIAL TYPE

DESCRIPTION

2SA1365 is a super mini silicon PNP epitaxial type transistor designed with high collector current, small VCE(sat).

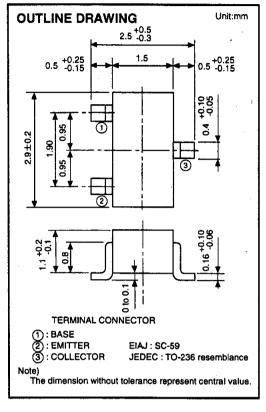
Complementary with 2SC3440.

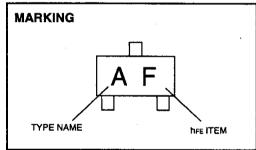
FEATURE

- Low collector to emitter saturation voltage VCE(sat)=-0.2V typ
- ●Excellent linearity of DC forward current gain
- Super mini package for easy mounting
- ●High collector current ICM=-1A
- ●High gain band width product fr=180MHz typ

APPLICATION

Small type motor drive, relay drive, power supply.





MAXIMUM RATINGS (Ta=25℃)

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℃)	150	mW
Tj	Junction temperature	+125	ဗ
Tstg	Storage temperature	-55 to +125	చ

ELECTRICAL CHARACTERISTICS (Ta=25℃)

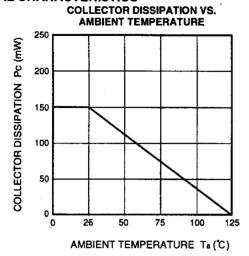
Symbol	Parameter	Test conditions		Limits		Unit
		est conditions		Тур	Max	
V(BR)CBO	C to B break down voltage	Ic=-10 μ A,IE=0	-25			V
V(BR)EBO	E to B break down voltage	IE=-10 μ A,IC=0	-4			V
V(BR)CEO	C to E break down voltage	IC=-100 μ A,RBE=∞	-20			V
Ісво	Collector cut off current	VcB=-25V,IE=0			-1	μΑ
IEBQ	Emitter cut off current	VEB=-2V,iC=0			-1	μА
hre *	DC forward current gain	VcE=-4V,lc=-100mA	150		800	I —
VCE(sat)	C to E saturation voltage	lc=-500mA,lB=-25mA		-0.2	-0.5	V
fr	Gain band width product	Vce=-6V,le=10mA		180		MHz

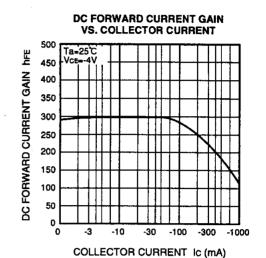
* : It shows her classification in right table.

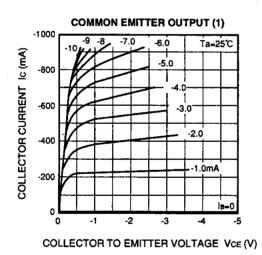
Marking	AE	AF	AG
hFE	150 to 300	250 to 500	400 to 800

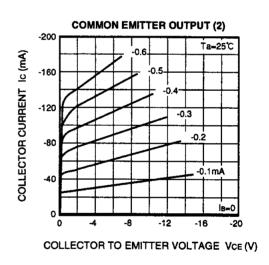
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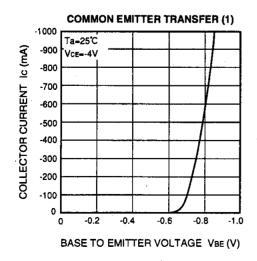
TYPICAL CHARACTERISTICS

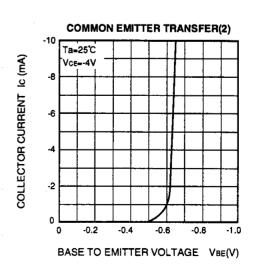














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