## FOR HIGH VOLTAGE DRIVE APPLICATION SILICON PNP EPITAXIAL TYPE

### **DESCRIPTION**

A1368 is a silicon PNP epitaxial type transistor. It designed with high collector dissipation, high voltage.

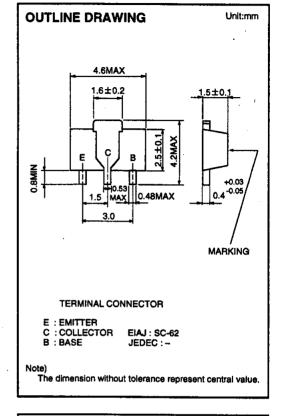
Complementary with 2SC3438.

### **FEATURE**

- ●High voltage VcEo=-100V
- ●High collector current (Icм=-800mA)
- ●High gain band width product fr=130MHz typ
- ●High collector dissipation Pc=500mW
- Small package for mounting

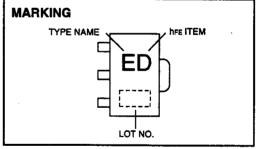
### **APPLICATION**

Relay drive power supply etc.



## MAXIMUM RATINGS (Ta=25℃)

Symbol	Parameter	Ratings	Unit
Vсво	Collector to Base voltage	-100	V
VEBO	Emitter to Base voltage	-5	V
VCEO	Collector to Emitter voltage	-100	V
СМ	Peak Collector current	-800	mA
lc	Collector current	-500	mA
Pc	Collector dissipation(Ta=25℃)	500	mW
Tj	Junction temperature	+150	ొ
Tstg	Storage temperature	-55 to +150	ర



## ELECTRICAL CHARACTERISTICS (Ta=25°C)

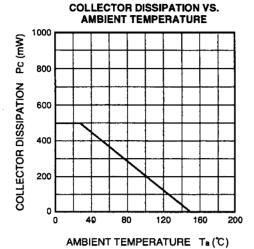
Symbol	Parameter	Test conditions		Limits		
		rest conditions	Min	Тур	Max	Unit
V(BR)CBO	C to B break down voltage	Ic=-10 μ A,IE=0	-100			V
V(BR)EBO	E to B break down voltage	IE=-10 μ A,IC=0	-5			V
V(BR)CEO	C to E break down voltage	Ic=-1mA,RBE=00	-100	1		v
Ісво	Collector cut off current	Vcs=-50V,IE=0			-0.5	μΑ
IEBO	Emitter cut off current	VEB=-2V,IC=0		1	-0.5	μΑ
hfe +	DC forward current gain	Vce=-10V,lc=-10mA	55		300	
VCE(sat)	C to E saturation voltage	Ic=-150mA,is=-15mA		-0.15	-0.5	V
fr	Gain band width product	VcE=-10V,IE=10mA		130	i	MHz
Сов	Collector output capacitance	Vcb=-10V,le=0, f=1MHz		11		pF

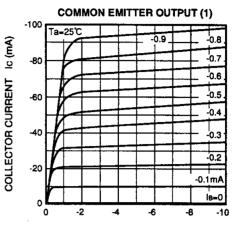
<sup>\* :</sup> It shows her classification in right table.

Marking	EC	ED	EE
hFE	55 to 110	90 to 180	150 to 300

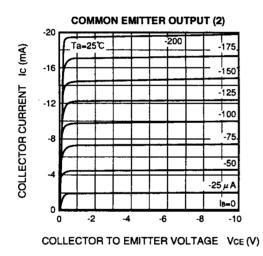
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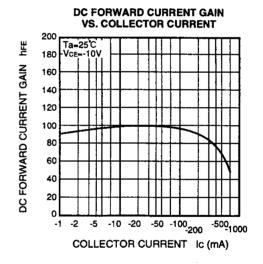
### TYPICAL CHARACTERISTICS

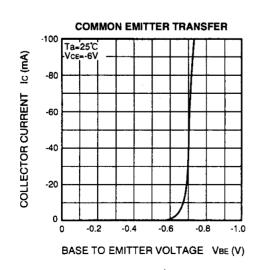


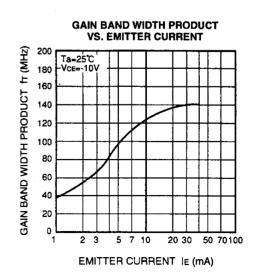


COLLECTOR TO EMITTER VOLTAGE VCE (V)

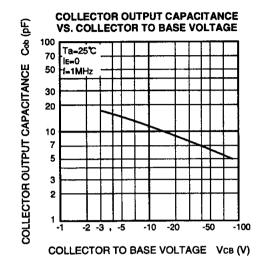








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