## FOR SMALL TYPE MOTOR, PLUNGER DRIVE APPLICATION SILICON PNP EPITAXIAL TYPE

#### **DESCRIPTION**

2SA1286 is silicon PNP epitaxial type transistor. Designed with high collector current and high hee.

Complementary with 2SC3246.

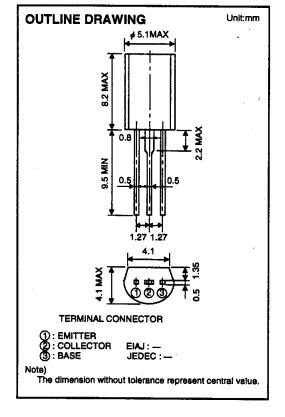
#### **FEATURE**

- ●High hFE hFE=400 to 800
- ●High collector current (Ic=-1.5A, Icм=-3A)
- ●Low collector to emitter saturation voltage.

  VCE(sat)=-0.25V typ(@IC=-1A, IB=-20mA)
- ●High collector dissipation Pc=900mW

#### **APPLICATION**

Small type motor drive plunger for VCR, tape deck, player, drive for relay, etc.



## MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Ratings	Unit
Vсво	Collector to Base voltage	-30	V
VEBO	Emitter to Base voltage	-6 V	
VCEO	Collector to Emitter voltage	-20	V
Ісм	Peak collector current	-3	Α
lc	Collector current	-1.5	Α
Pc	Collector dissipation(Ta=25°C)	900	mW
Tj	Junction temperature	+150	°C
Tstg	Storage temperature	-55 to +150	,C

## ELECTRICAL CHARACTERISTICS (Ta=25°C)

Symbol	Parameter	Test conditions	Limits			Unit
		. Tool conditions	Min	Тур	Max	Orin
V(вя)сво	C to B break down voltage	IC=-10 μ A,IE=0	-30			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	Ic=-1mA,RBE=∞	-20		· ·	v
Ісво	Collector cut off current	Vcb=-20V,IE=0			-0.1	μA
lebo	Emitter cut off current	VEB=-2V,IC=0			-0.1	μΑ
hfe *	DC forward current gain	VcE=-6V,lc=-500mA	400		800	<u> </u>
VCE(sat)	C to E saturation voltage	ic=-1A,is=-20mA		-0.25	-0.5	v
fτ	Gain band width product	VcE=-10V,IE=10mA		90		MHz
Соь	Collector output capacitance	VcB=-10V,IE=0, f=1MHz		37		pF

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

item	G	
hF€	400 to 800	

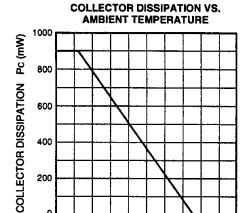
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### TYPICAL CHARACTERISTICS

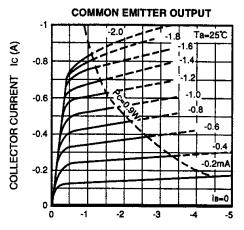
400

200

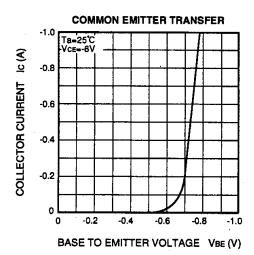
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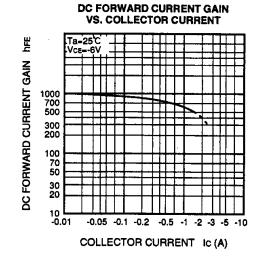


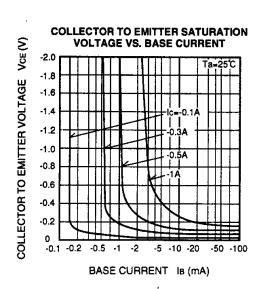
80 160 AMBIENT TEMPERATURE Ta (℃)

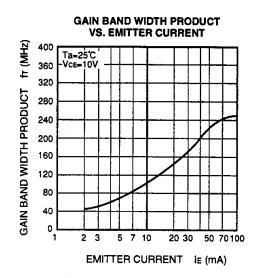


COLLECTOR TO EMITTER VOLTAGE VCE (V)

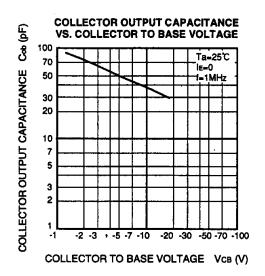








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