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

DESCRIPTION

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

Complementary with 2SC3246.

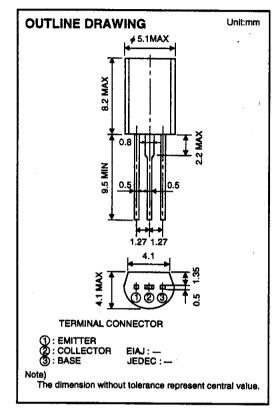
FEATURE

- ●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	A
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)

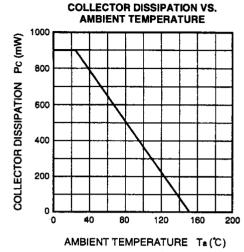
Symbol	Parameter	Test conditions	Limits			Unit
		- Tost conditions	Min	Typ	Max	1 Orm
V(вя)сво	C to B break down voltage	IC=-10 \(\mu \) A, IE=0	-30			V
V(BR)EBO	E to B break down voltage	IE=-10 μ A,IC=0	-6	<u> </u>		V
V(BR)CEO	C to E break down voltage	IC=-1mA,RBE=∞	-20			v
Ісво	Collector cut off current	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,IB=-20mA		-0.25	-0.5	V
fτ	Gain band width product	Vce=-10V,le=10mA		90		MHz
Соь	Collector output capacitance	VcB=-10V,IE=0, f=1MHz	*	37		pF

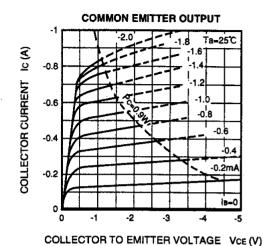
^{* :} It shows her classification in right table.

item	G		
hre	400 to 800		

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TYPICAL CHARACTERISTICS

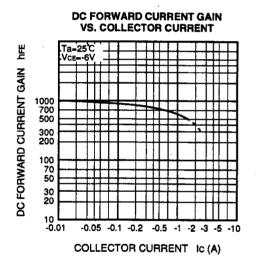


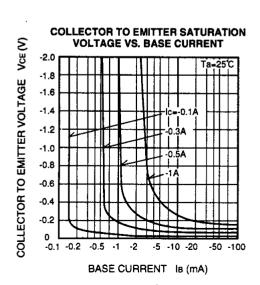


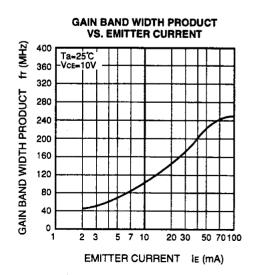
COMMON EMITTER TRANSFER

-1.0 Ta=25°C VCE-6V
-0.8 -0.6 -0.8 -0.6 -0.8 -1.0

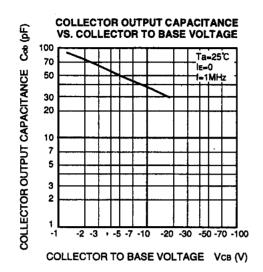
BASE TO EMITTER VOLTAGE VBE (V)







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





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