FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON PNP EPITAXIAL TYPE

DESCRIPTION

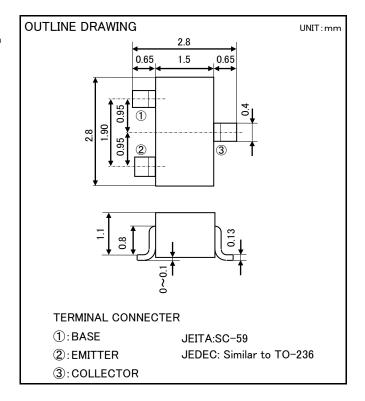
2SA2026 is a silicon PNP epitaxial type transistor. It is designed with high voltage application.

FEATURE

- Small collector to emitter saturation voltage VCE(sat)=-0.5V max(@IC=-100mA/IB=-10mA)
- Small package for easy mounting

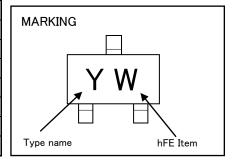
APPLICATION

Hybrid IC, DC-DC converter



MAXIMUM RATING(Ta=25°C)

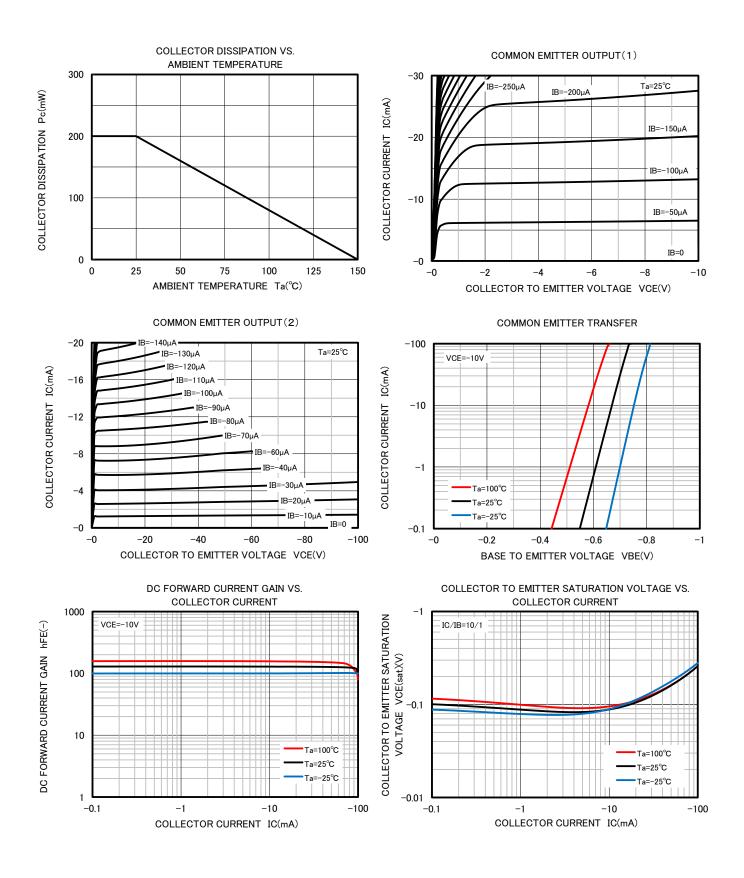
SYMBOL	PARAMETER	RATING	UNIT
V _{CBO}	Collector to Base voltage	-300	٧
V _{EBO}	Emitter to Base voltage	-7	٧
V_{CEO}	Collector to Emitter voltage	-300	٧
Ic	Collector current	-100	mA
Pc	Collector dissipation(Ta=25°C)	200	mW
Tj	Junction temperature	+150	°C
T_{stg}	Storage temperature	-55 ~ +150	°C

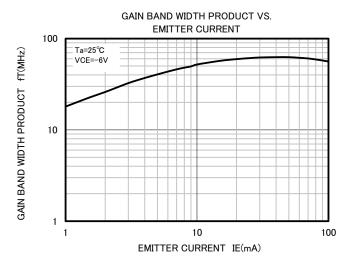


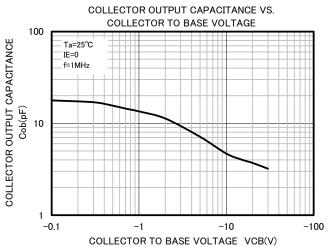
ELECTRICAL CHARACTERISTICS (Ta=25°C)

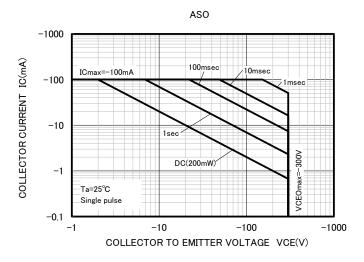
SYMBOL	PARAMETER	TEST CONDITIONS	LIMITS			LINIT
			MIN	TYP	MAX	UNIT
V _{(BR)CBO}	C to B breakdown voltage	I_{C} =-50 μ A, I_{E} =0mA	-300	-	-	٧
V _{(BR)EBO}	E to B breakdown voltage	I_E =-50 μ A, I_C =0mA	-7	-	-	٧
V _{(BR)CEO}	C to E breakdown voltage	I_{C} =-1mA, R_{BE} = ∞	-300	-	-	٧
I _{CBO}	Collector cut off current	V_{CB} =-300V, I_E =0mA	ı	1	-0.5	μΑ
I EBO	Emitter cut off current	V _{EB} =-5V, Ic=0mA	-	-	-0.5	μΑ
hfe	DC forward current gain	VcE=-10V, Ic=-10mA	50	-	305	-
V _{CE(sat)}	C to E saturation voltage	Ic=-100mA, I _B =-10mA	-	-	-0.5	٧
fT	Gain bandwidth product	V _{CE} =-6V, I _E =10mA	-	40	-	MHz
Cob	Collector output capacitance	V _{CE} =-6V, I _E =0mA, f=1MHz	-	3.0	_	pF

TYPICIAL CHARACTERISTICS









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