

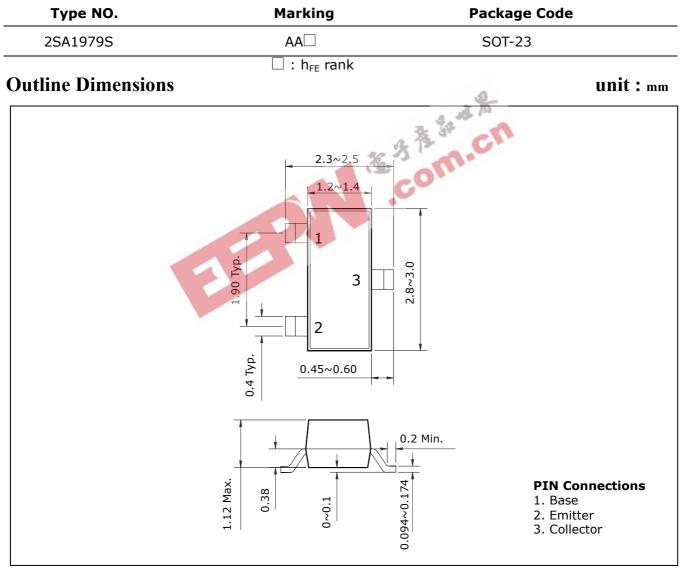
Description

• Medium power amplifier

Features

- Large collector current : I_{CMax} =-500mA
- Suitable for low-Voltage operation because of its low saturation voltage
- Complementary pair with 2SC5342S

Ordering Information



Absolute maximum ratings

Absolute maximum ratings			(Ta=25°C)
Characteristic	Symbol	Ratings	Unit
Collector-Base voltage	V _{CBO}	-40	V
Collector-Emitter voltage	V _{CEO}	-32	V
Emitter-Base voltage	V _{EBO}	-5	V
Collector current	I _C	-500	mA
Collector dissipation	Pc	200	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55~150	°C

Electrical Characteristics

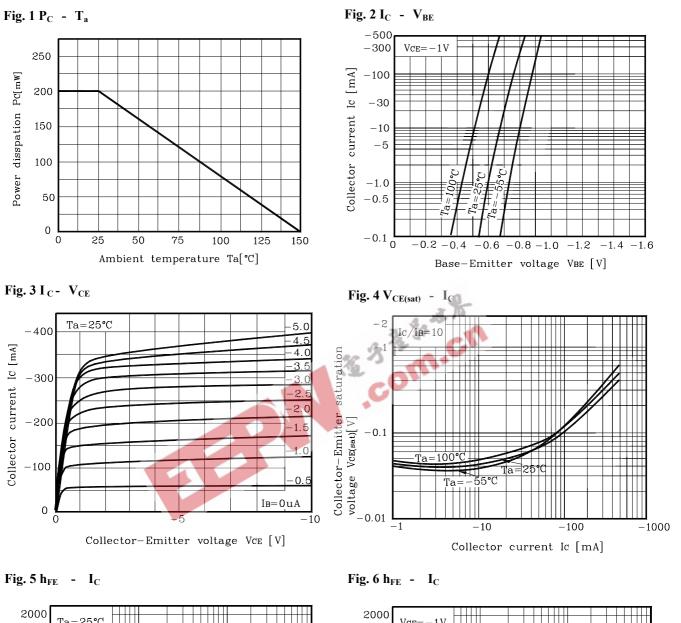
(Ta=25°C)

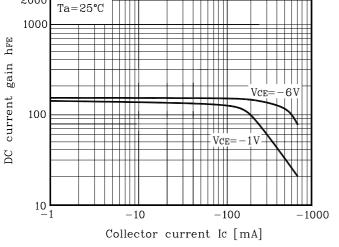
Characteristic	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Collector-Base breakdown voltage	BV_{CBO}	I _C =-100μA, I _E =0	-40	-	-	V
Collector-Emitter breakdown voltage	BV_{CEO}	I _C =-1mA, I _B =0	-32	-	-	V
Emitter-Base breakdown voltage	BV_{EBO}	I _E =-10μA, I _C =0	-5	-	-	V
Collector cut-off current	I_{CBO}	V_{CB} =-40V, I_{E} =0		-	-0.1	μA
Emitter cut-off current	\mathbf{I}_{EBO}	$V_{EB} = -5V, I_{C} = 0$	-	-	-0.1	μA
DC current gain	h _{FE} *	V_{CE} =-1V, I _C =-100mA	70	-	240	-
Collector-Emitter saturation voltage	V _{CE(sat)}	I_{C} =-100mA, I_{B} =-10mA	-	-	-0.25	V
Transistor frequency	f _T	V _{CE} =-6V, I _C =-20mA	-	200	-	MHz
Collector output capacitance	C _{ob}	V_{CB} =-6V, I _E =0, f=1MHz	-	7.5	-	рF

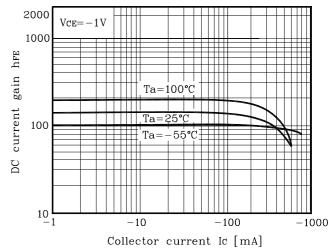
* : h_{FE} rank / O : 70~140, Y : 120~240

2SA1979S

Electrical Characteristic Curves







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