

PNP Silicon Transistor

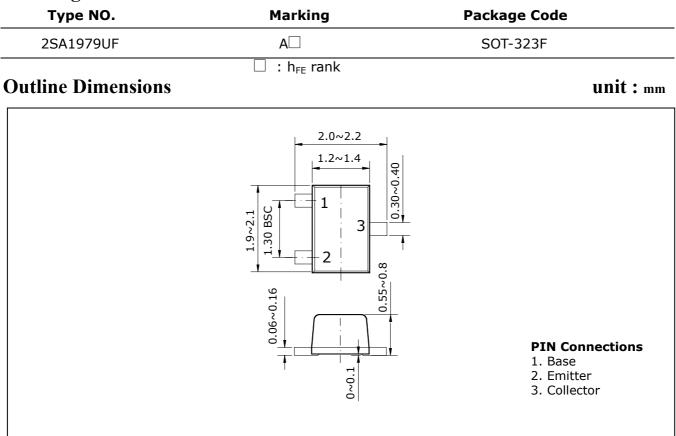
Description

• Medium power amplifier

Features

- Large collector current : I_{CMax} =-500mA
- Suitable for low-Voltage operation because of its low saturation voltage
- Complementary pair with 2SC5342UF

Ordering Information



Absolute maximum ratings

(Ta=25°C) Characteristic Symbol Unit Ratings V Collector-Base voltage V_{CBO} -40 Collector-Emitter voltage V V_{CEO} -32 -5 V Emitter-Base voltage V_{EBO} Collector current \mathbf{I}_{C} -500 mΑ Collector dissipation $\mathbf{P}_{\mathbf{C}}$ 200 mW °C Junction temperature Ti 150 $\mathsf{T}_{\mathsf{stg}}$ Storage temperature -55~150 °C

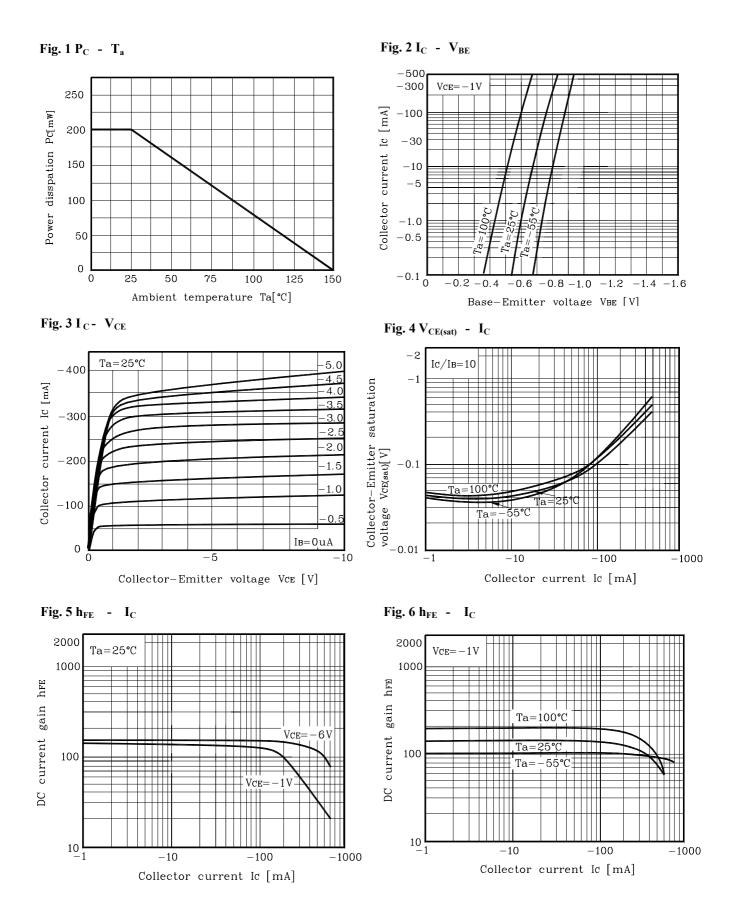
Electrical Characteristics

(Ta=25°C)

Characteristic	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Collector-Base breakdown voltage	BV_{CBO}	I_{C} =-100 μ A, 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} =-10 μ A, 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	-	pF

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

Electrical Characteristic Curves



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