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查询2SA1723供应商 Ordering number:EN4668

PNP Epitaxial Planar Silicon Transistors

2SA1723

High-Frequency Amplifier, Medium-Power Amplifier Applications

Applications

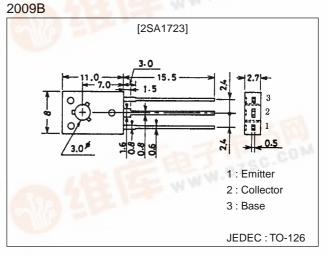
- · Wideband amplifiers.
- \cdot High-frequency drivers.

Features

- · High f_T (f_T =1.5GHz typ).
- High current ($I_C = 300 \text{mA}$).
- · Adoption of FBET process.

Package Dimensions

unit:mm



Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	VCBO		-30	V
Collector-to-Emitter Voltage	VCEO		-20	V
Emitter-to-Base Voltage	VEBO		-3	V
Collector Current	IC		-300	mA
Collector Current (Pulse)	ICP	A Real Property in the second s	-600	mA
Collector Dissipation	PC		1.2	W
		Tc=25°C	5	W
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

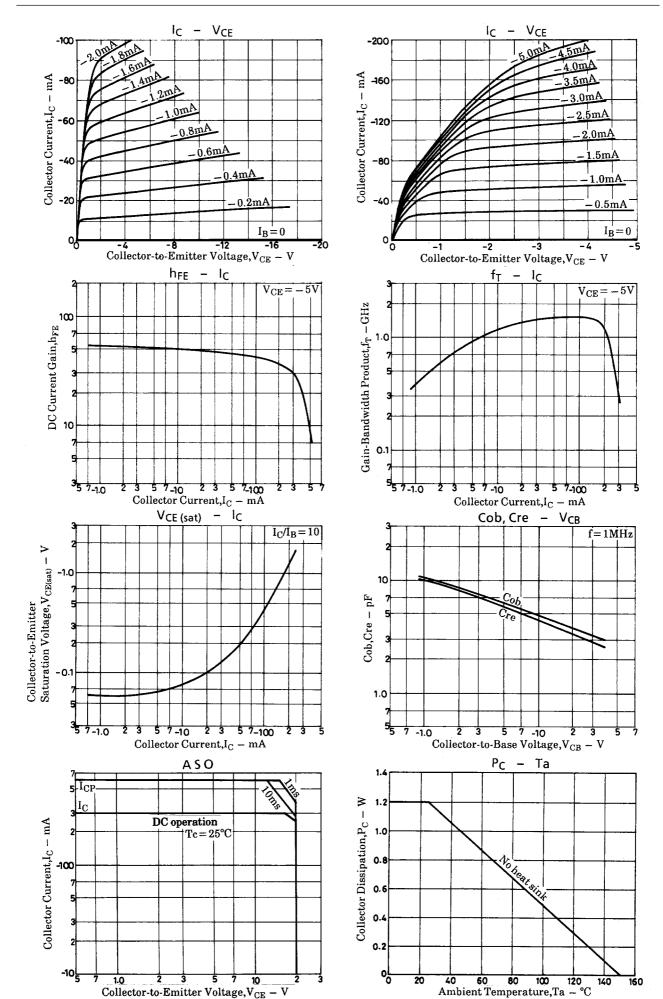
Electrical Characteristics at Ta = 25°C

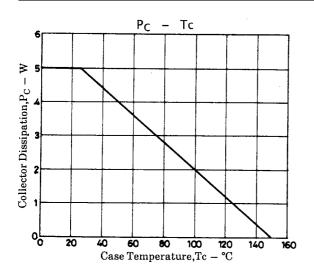
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Collector Cutoff Current	ICBO	V _{CB} =-20V, I _E =0			-0.1	μA
Emitter Cutoff Current	IEBO	V _{EB} =-2V, I _C =0			-1.0	μΑ
DC Current Gain	h _{FE} 1	V _{CE} =-5V, I _C =-50mA	15	1	100	40.
	h _{FE} 2	V _{CE} =-5V, I _C =-300mA	5		50-	
Gain-Bandwidth Product	fT	V _{CE} =-5V, I _C =-100mA	W.W.	1.5		GHz
Output Capacitance	Cob	V _{CB} =–10V, f=1MHz		5.8		pF
Reverse Transfer Capacitance	C _{re}	V _{CB} =-10V, f=1MHz		5.0		pF
Collector-to-Emitter Saturation Voltage	VCE(sat)	I _C =-100mA, I _B =-10mA		-0.4	-1.0	V
Base-to-Emitter Saturation Voltage	V _{BE} (sat)	I _C =-100mA, I _B =-10mA		-0.9	-1.2	V

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