捷多邦,专业PCB打样工厂,24小时加急出货

查询2SA1838供应商

Ordering number:EN4665

PNP Epitaxial Planar Silicon Transistor

2SA1838

SANYO

Features

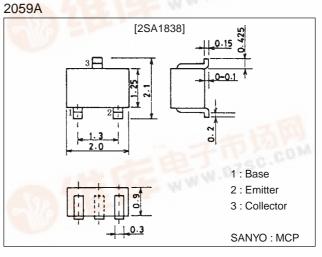
- Very small-sized package permitting 2SA1838applied sets to be made small and slim.
- · Small output capacitance.
- · Low collector-to-emitter saturation voltage.
- \cdot Low ON resistance.

Muting Circuit Applications

Package Dimensions

unit:mm

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Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	V _{СВО}		-15	V
Collector-to-Emitter Voltage	VCEO		-10	V
Emitter-to-Base Voltage	VEBO		-5	V
Collector Current	ιc		-100	mA
Colletor Current (Pulse)	I _{CP}	1 4 4 C 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4	-200	mA
Base Current	Ι _Β		-20	mA
Collector Dissipation	PC		200	mW
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} =-12V, I _E =0			<u>-0.1</u>	μA
Emitter Cutoff Current	IEBO	V _{EB} =-4V, I _C =0		-	-0.1	μΑ
DC Current Gain	h _{FE}	V _{CE} =-2V, I _C =-5mA	200	- 5	600	10.14
Gain-Bandwidth Product	fT	V _{CE} =-5V, I _C =-10mA	25	600	SU.	MHz
Output Capacitance	Cob	V _{CB} =-10V, f=1MHz	W W	0.9		pF
Collector-to-Emitter Saturation Voltage	VCE(sat)	I _C =–10mA, I _B =– <mark>1mA</mark>		-0.04	-0.15	V
Base-to-Emitter Saturation Voltage	V _{BE(sat)}	I _C =-10mA, I _B =-1mA		-0.82	-1.1	V

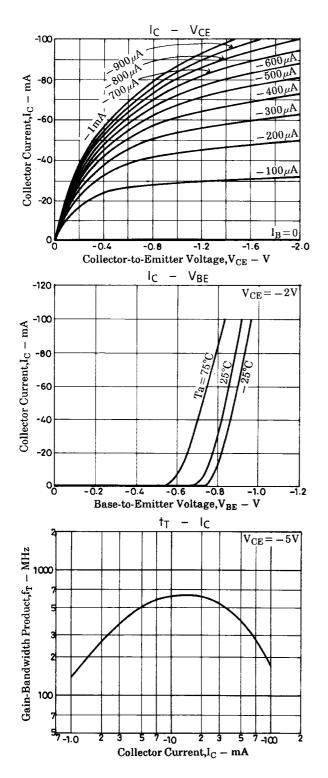
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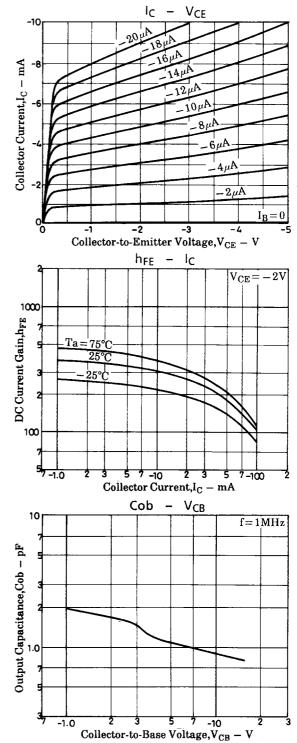
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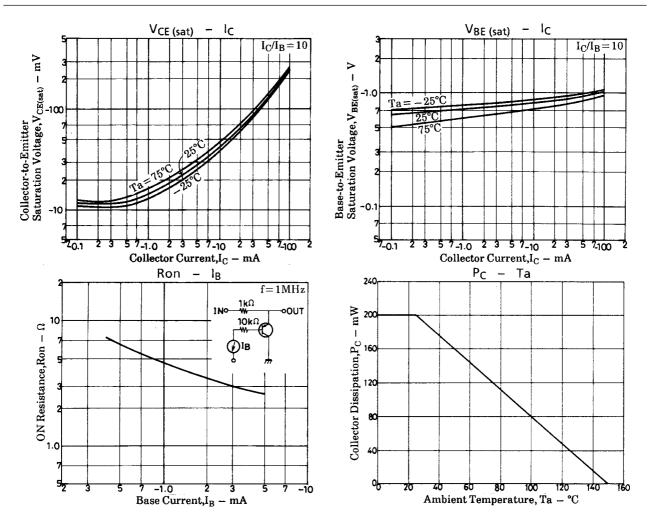
2SA1838

Parameter	Symbol	Conditions	Ratings			Unit
	Symbol		min	typ	max	Onit
Collector-to-Base Breakdown Voltage	V(BR)CBO	I _C =-10μΑ, I _E =0	-15			V
Collector-to-Emitter Breakdown Voltage	V(BR)CEO	I _C =−1mA, R _{BE} =∞	-10			V
Emitter-to-Base Breakdown Voltage	V _{(BR)EBO}	I _E =-10μA, I _C =0	-5			V
On Resistance	R _{on}	I _B =–3mA, f=1MHz		3.0		Ω





2SA1838



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