#### 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**

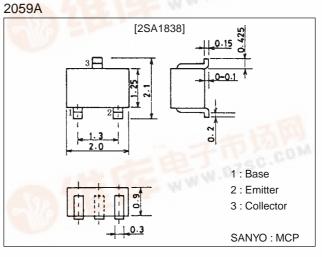
- Very small-sized package permitting 2SA1838applied sets to be made small and slim.
- · Small output capacitance.
- · Low collector-to-emitter saturation voltage.
- $\cdot$  Low ON resistance.

# 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 <sub>СВО</sub>		-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 <sub>CP</sub>	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 <sub>Β</sub>		-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 <sub>CB</sub> =-12V, I <sub>E</sub> =0			<u>-0.1</u>	μA
Emitter Cutoff Current	IEBO	V <sub>EB</sub> =-4V, I <sub>C</sub> =0		-	-0.1	μΑ
DC Current Gain	h <sub>FE</sub>	V <sub>CE</sub> =-2V, I <sub>C</sub> =-5mA	200	- 5	600	10.14
Gain-Bandwidth Product	fT	V <sub>CE</sub> =-5V, I <sub>C</sub> =-10mA	25	600	SU.	MHz
Output Capacitance	Cob	V <sub>CB</sub> =-10V, f=1MHz	W W	0.9		pF
Collector-to-Emitter Saturation Voltage	VCE(sat)	I <sub>C</sub> =–10mA, I <sub>B</sub> =– <mark>1mA</mark>		-0.04	-0.15	V
Base-to-Emitter Saturation Voltage	V <sub>BE(sat)</sub>	I <sub>C</sub> =-10mA, I <sub>B</sub> =-1mA		-0.82	-1.1	V

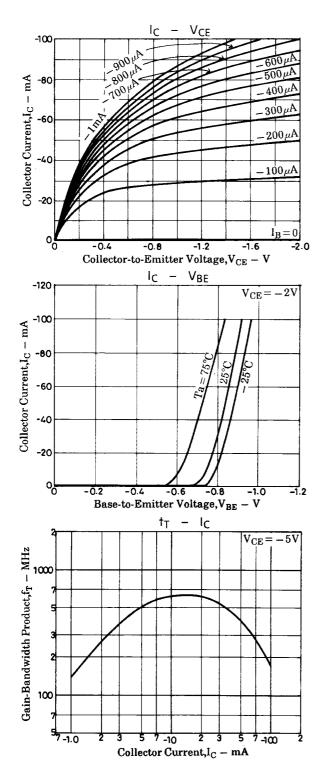
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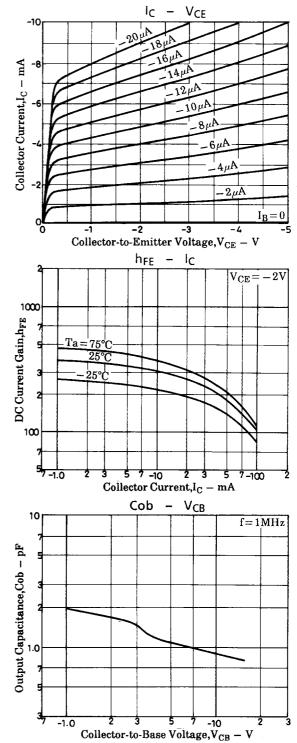
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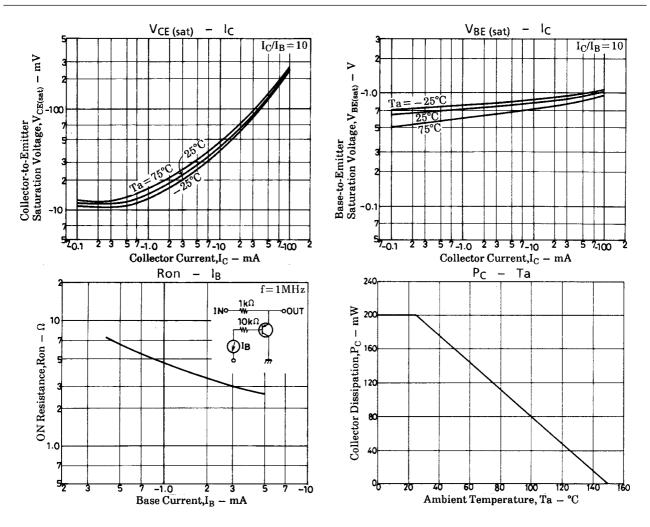
# 2SA1838

Parameter	Symbol	Conditions	Ratings			Unit
	Symbol		min	typ	max	Onit
Collector-to-Base Breakdown Voltage	V(BR)CBO	I <sub>C</sub> =-10μΑ, I <sub>E</sub> =0	-15			V
Collector-to-Emitter Breakdown Voltage	V(BR)CEO	I <sub>C</sub> =−1mA, R <sub>BE</sub> =∞	-10			V
Emitter-to-Base Breakdown Voltage	V <sub>(BR)EBO</sub>	I <sub>E</sub> =-10μA, I <sub>C</sub> =0	-5			V
On Resistance	R <sub>on</sub>	I <sub>B</sub> =–3mA, f=1MHz		3.0		Ω





#### 2SA1838



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