捷多邦,专业PCB打样工厂,24小时加急出货

查询2SC4919供应商

Ordering number:EN4765

NPN Epitaxial Planar Silicon Transistor

2SC4919



Features

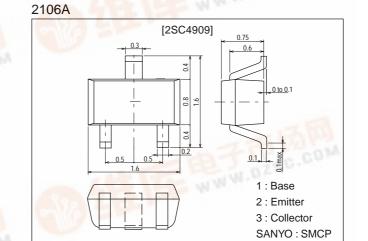
- Very small-sized package permitting 2SC4919applied sets to be made smaller and slimmer.
- · Small output capacitance.
- · Low collector-to-emitter saturation voltage.
- \cdot Small ON resistance.

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 _{CBO}		25	V
Collector-to-Emitter Voltage	VCEO		15	V
Emitter-to-Base Voltage	VEBO		5	V
Collector Current	IC		100	mA
Collector Current (Pulse)	ICP	1 424 5 45	200	mA
Base Current	Ι _Β	A 44 155	20	mA
Collector Dissipation	PC		150	mW
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions		Ratings		
				typ	max	Unit
Collector Cutoff Current	ICBO	V _{CB} =15V, I _E =0			0.1	μΑ
Emitter Cutoff Current	IEBO	V _{EB} =4V, I _C =0	-	1.77	0.1	μA
DC Current Gain	hFE	V _{CE} =2V, I _C =5mA	800		3200	20
Gain-Bandwidth Product	fT	V _{CE} =5V, I _C =10mA	- AND	240		MHz
Output Capacitance	Cob	V _{CB} =10V, f=1MHz	10.00	1.4		pF

Marking : DA

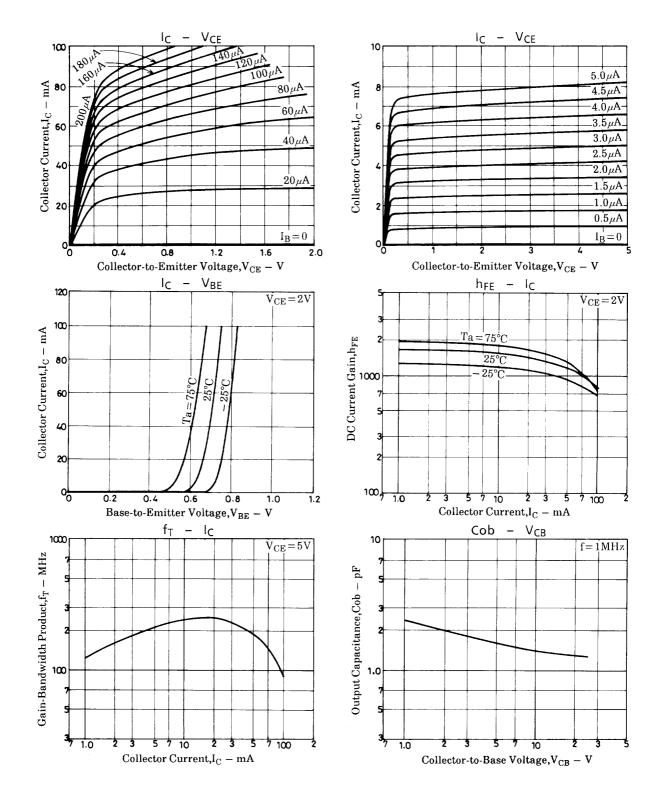
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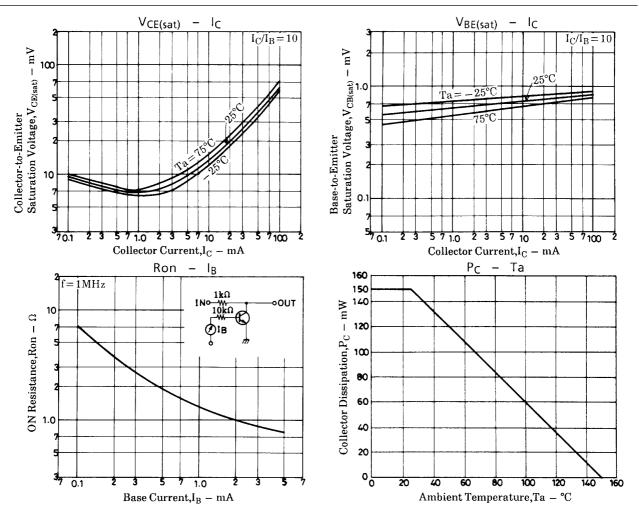
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Collector-to-Emitter Saturation Voltage	VCE(sat)	I _C =10mA, I _B =1mA		14	30	mV
Base-to-Emitter Saturation Voltage	V _{BE(sat)}	I _C =10mA, I _B =1mA		0.74	1.1	V
Collector-to-Base Breakdown Voltage	V(BR)CBO	I _C =10μA, I _E =0	25			V
Collector-to-Emitter Breakdown Voltage	V(BR)CEO	I _C =1mA, R _{BE} =∞	15			V
Emitter-to-Base Breakdown Voltage	V _{(BR)EBO}	I _E =10μA, I _C =0	5			V
ON Resistance	Ron	I _B =3mA, f=1MHz		0.9		Ω



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