

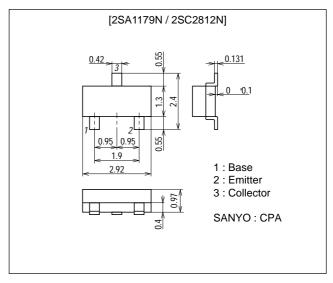
Low-Frequency General-Purpose Amp Applications

Features

- Miniature package facilitates miniaturization in end products.
- · High breakdown voltage.

Package Dimensions

unit : mm 2204



Specifications

(): 2SA1179N

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	VCBO		(-)55	V
Collector-to-Emitter Voltage	VCEO		(-)50	V
Emitter-to-Base Voltage	VEBO		(-)5	V
Collector Current	IC		(-)150	mA
Collector Current (Pulse)	ICP		(-)300	mA
Base Current	IB		(-)30	mA
Collector Dissipation	PC		200	mW
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

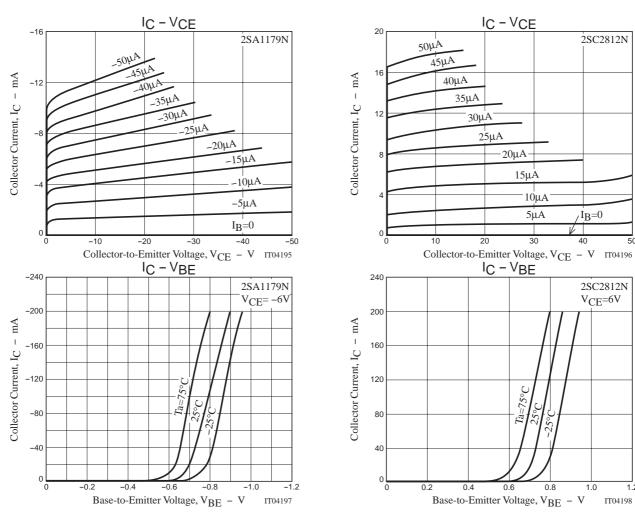
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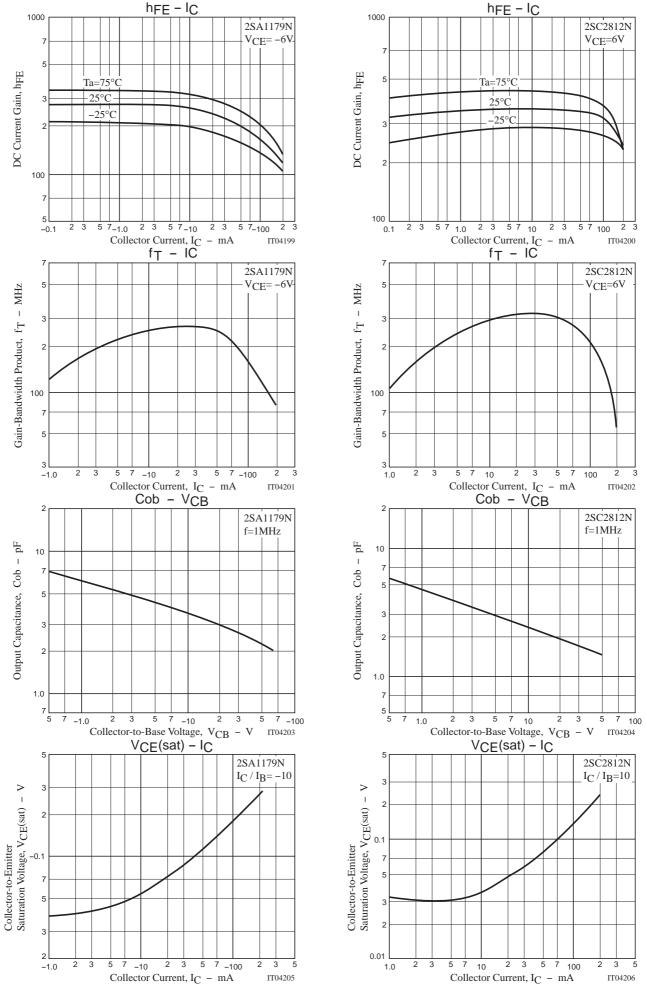
Electrical Characteristics at Ta=25°C

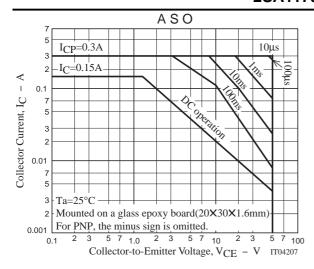
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Collector Cutoff Current	ICBO	V _{CB} =(-)35V, I _E =0			(-)0.1	μΑ
Emitter Cutoff Current	IEBO	VEB=(-)4V, IC=0			(-)0.1	μΑ
DC Current Gain	hFE	V _{CE} =(-)6V, I _C =(-)1mA	200		400	
Gain-Bandwidth Product	fT	2SC2812 : V _{CE} =6V, I _C =1mA		100		MHz
		2SA1179 : VCE=-6V, IC=-10mA		(180)		MHz
Output Capacitance	Cob	V _{CB} =(-)6V, f=1MHz		(4.0)3.0		pF
Collector-to-Emitter Saturation Voltage	V _{CE} (sat)	I _C =(-)50mA, I _B =(-)5mA		(-0.15)0.1	(-)0.5	V
Base-to-Emitter Saturation Voltage	V _{BE} (sat)	I _C =(-)50mA, I _B =(-)5mA			(-)1.0	V
Collector-to-Base Breakdown Voltage	V(BR)CBO	I _C =(-)10μA, I _E =0	(-)55			V
Collector-to-Emitter Breakdown Voltage	V(BR)CEO	IC=(-)1mA, RBE=∞	(-)50			V
Emitter-to-Base Breakdown Voltage	V(BR)EBO	I _E =(-)10μΑ, I _C =0	(-)5			V

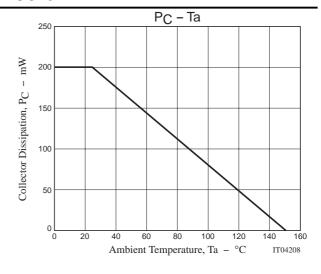
Marking : 2SA1179N M : 2SC2812N L

hFE Rank: 6









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