查询FC106供应商



WWW.

FC106

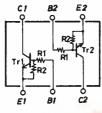
NPN Epitaxial Planar Silicon Composite Transistor

Switching Applications

Features

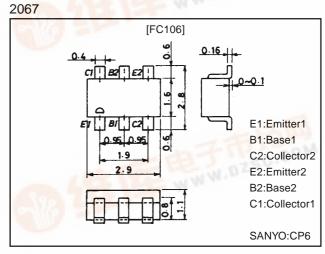
- · On-chip bias resistors (R_1 =47k Ω , R_2 =47k Ω)
- Composite type with 2 transistors contained in the CP package currently in use, improving the mounting efficiency greatly.
- The FC106 is formed with two chips, being equivalent to the 2SC3395, placed in one package.
- Excellent in thermal equilibrium and pair capability.

Electrical Connection



Package Dimensions

unit:mm



Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	VCBO		50	V
Collector-to-Emitter Voltage	VCEO		50	V
Emitter-to-Base Voltage	VEBO		10	V
Collector Current	۱ _C		100	mA
Collector Current (Pulse)	I _{CP}		200	mA
Collector Dissipation	PC	1 unit	200	mW
Total Dissipation	PT	10 mil	300	mW
Junction Temperature	Tj	0.00	150	°C
Storage Temperature	Tstg		-55 to+150	°C

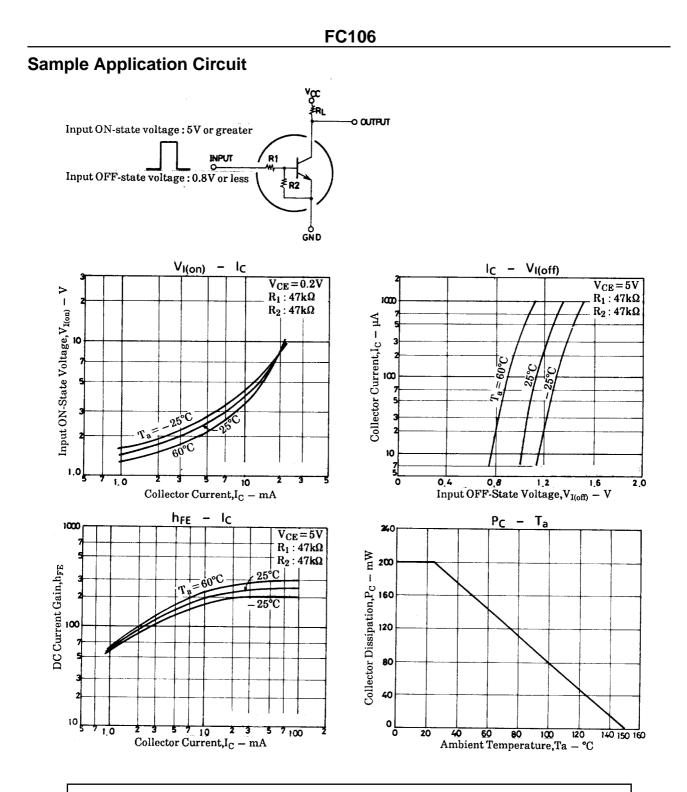
Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
Parameter			min	typ	max	Unit
Collector Cutoff Current	ICBO	V _{CB} =40V, I _E =0			0.1	μA
Collector Cutoff Current	ICEO	V _{CE} =40V, I _B =0	and the second second	10.04	0.5	μΑ
Emitter Cutoff Current	IEBO	V _{EB} =5V, I _C =0	30	53	80	μΑ
DC Current Gain	h _{FE}	V _{CE} =5V, I _C =5mA	50			
Gain-Bandwidth Product	fT	V _{CE} =10V, I _C =5mA		250		MHz
Output Capacitance	Cob	V _{CB} =10V, f=1MHz		3.3		pF
C-E Saturation Voltage	VCE(sat)	I _C =5mA. I _B =0.25mA		0.1	0.3	V
C-B Breakdown Voltage	V(BR)CBO	I _C =10μA, I _E =0	50			V
C-E Breakdown Voltage	V(BR)CEO	I _C =100µA, R _{BE} =∞	50			V
Input OFF-State Voltage	V _{I(off)}	V _{CE} =5V, I _C =100µA	0.8	1.1	1.5	V
Input ON-State Voltage	V _{I(on)}	V _{CE} =0.2V, I _C =5mA	1.0	2.5	5.0	V
Input Resistance	R ₁		32	47	62	kΩ
Resistance Ratio	R ₁ /R ₂		0.9	1.0	1.1	

Note: The specifications shown above are for each individual transistor.

Marking:106

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