

FP212

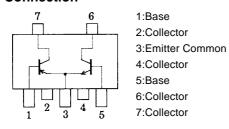
PNP/NPN Epitaxial Planar Silicon Transistors

High-Voltage Driver Applications

Features

- · Composite type with a PNP transistor and an NPN transistor, in one package, facilitating high-density mounting.
- The FP212 is composed of 2 chips, one being equivalent to the 2SA1370 and the other the 2SC3467, placed in one package.

Electrical Connection

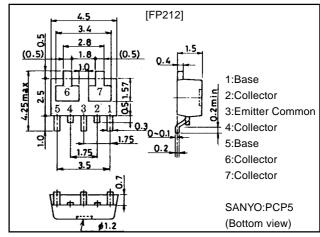


(Top view)

Package Dimensions

unit:mm

2097A



Specifications

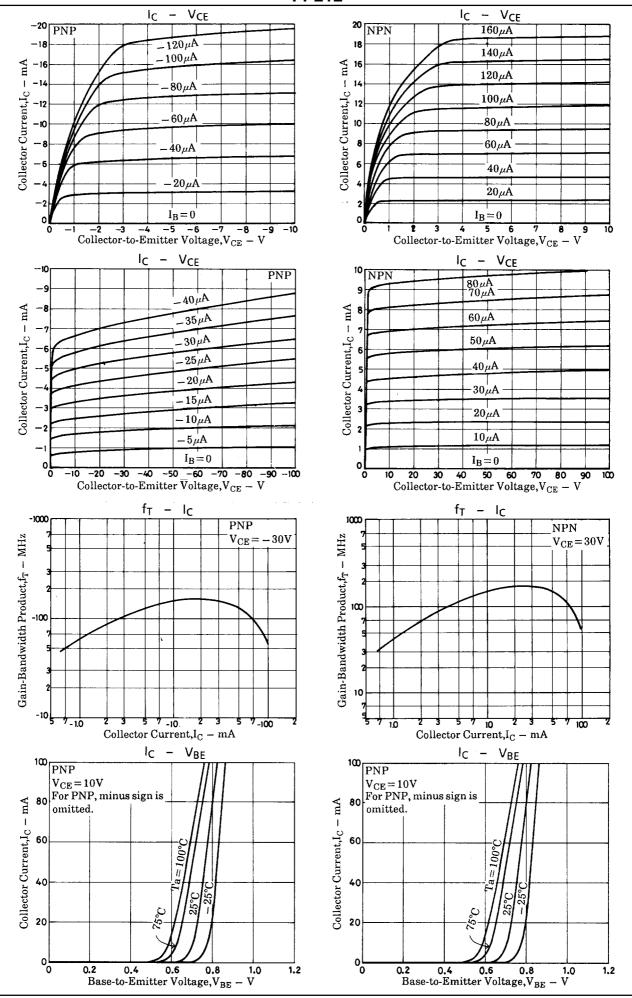
Absolute Maximum Ratings at Ta = 25°C

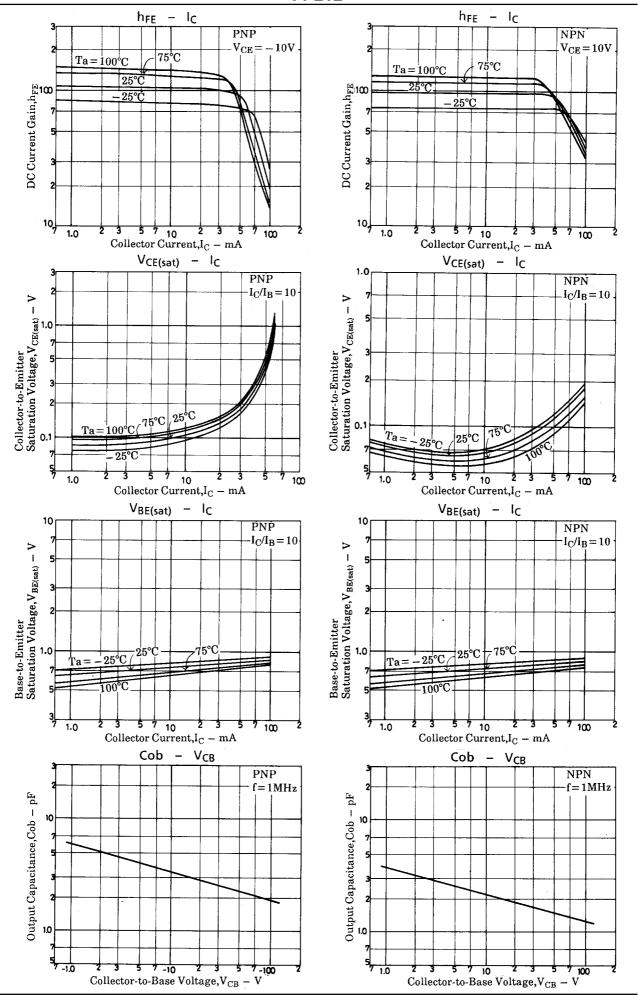
Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	V _{CBO}		(-)200	V
Collector-to-Emitter Voltage	VCEO		(-)200	V
Emitter-to-Base Voltage	V _{EBO}		(-)5	V
Collector Current	lc		(-)100	mA
Collector Current (Pulse)	lCP		(-)200	mA
Base Current	I _B		(-)10	mA
Collector Dissipation	PC	Mounted on ceramic board (250mm ² ×0.8mm) 1 unit	0.75	W
Total Power Dissipation	PT	Mounted on ceramic board (250mm ² ×0.8mm)	1.0	W
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

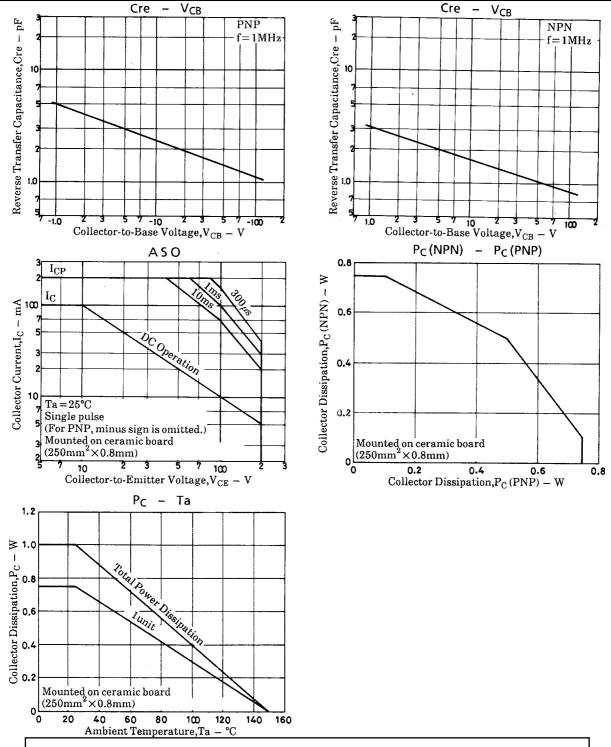
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditons		Ratings		
	Symbol		min	typ	max	Unit
Collector Cutoff Current	ICBO	V _{CB} =(-)150V, I _E =0			(-)100	nA
Emitter Cutoff Current	IEBO	V _{EB} =(-)4V, I _C =0			(–)100	nA
DC Current Gain	hFE	V _{CE} =(-)10V, I _C =(-)10mA	60		200	
Gain-Bandwidth Product	f _T	V _{CE} =(-)30V, I _C =(-)10mA		150		MHz
Output Capacitance	Cob	V _{CB} =(-)30V, f=1MHz		(2.6) 1.7		pF
Reverse Transfer Capacitance	Cre	V _{CB} =(-)30V, f=1MHz		(1.7) 1.2		pF
C-E Saturation Voltage	VCE(sat)	I _C =(-)20mA, I _B =(-)2mA			(-)0.6	V
B-E Saturation Voltage	V _{BE(sat)}	I _C =(-)20mA, I _B =(-)2mA			(-)1.0	V
C-B Breakdown Voltage	V _(BR) CBO	I _C =(-)10μΑ, I _E =0	(-)200			V
C-E Breakdown Voltage	V(BR)CEO	I _C =(−)1mA, R _{BE} =∞	(-)200			V
E-B Breakdown Voltage	V(BR)EBO	I _E =(-)10μΑ, I _C =0	(-)5			V

Marking:212







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