

BCX17

PNP small signal transistor

Small load switch transistor with high gain and Low saturation voltage.

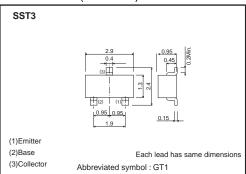
Features

(1) High gain and low saturation voltage.(2) Ideal for small load switching applications.Complements the BCX19

Packaging specifications

	Package	Taping
Туре	Code	T116
	Basic ordering unit (pieces)	3000
BCX17		0

•Dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

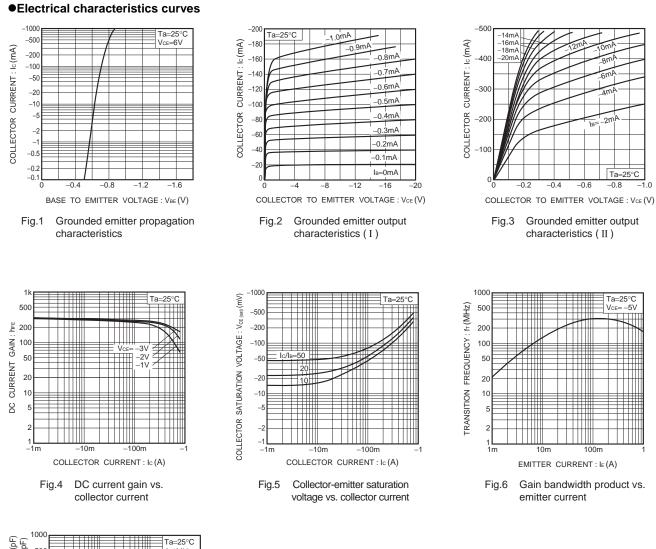
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Parameter	Symbol	Limits	Unit	
Collector-emitter voltage (VBE=0)	Vces	-50	V	
Collector-emitter voltage (open base)	Vceo	-45	V	
Emitter-base voltage	Vebo	-5	V	
Collector current	lc	-0.5	A	
Collector current (peak value)	Ісм	-1	A	
		0.2	W	
Collector power dissipation	Pc	0.35	W *	
		0.425	W *2	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-65 to 150	°C	

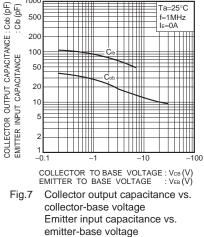
* Mounted on a 7×5×0.6 mm CERAMIC SUBSTRATE

*2 Mounted on a 15×15×0.6 mm CERAMIC SUBSTRATE

•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-emitter breakdown voltage	BVCES	-50	-	_	V	Ic=-50μA
Collector-emitter breakdown voltage	BVCEO	-45	_	_	V	Ic=-10mA
Emitter-base breakdown voltage	ВVево	-5	-	_	V	Iε= -50μA
Collector-base cutoff current	Ісво	-	-	-0.1	μΑ	Vcb=-20V
Emitter-base cutoff current	Іево	-	-	-10	μΑ	Veb=-5V
Collector-emitter saturation voltage	VCE(sat)	_	_	-0.62	V	Ic/I _B = -500mA/ -50mA
Base-emitter voltage	VBE(on)	_	_	-1.2	V	Vce/Ic= -1V/ -500mA
		100	-	600		Vce= -1V, Ic= -100mA
DC current transfer ratio	hfe	70	-	_	-	Vce= -1V, Ic= -300mA
		40	-	_		Vce= -1V, Ic= -500mA
Transition frequency	fт	-	200	_	MHz	Vce= -5V, Ie= -20mA, f=100MHz
Collector-base cutoff current	Ісво	-	-	-5	μΑ	Vсв= –20V, Та=150°С





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