

PNP small signal transistor

BCX71H

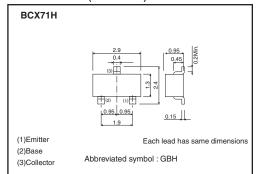
Features

- 1) Ideal for switching and AF amplifier applications.
- 2) Complements the BCX70.

Packaging specifications

	Package	Taping	
Туре	Code	T116	
	Basic ordering unit (pieces)	3000	
BCX70H		0	

●Dimensions (Unit:mm)



●Absolute maximum ratings (Ta=25°C)

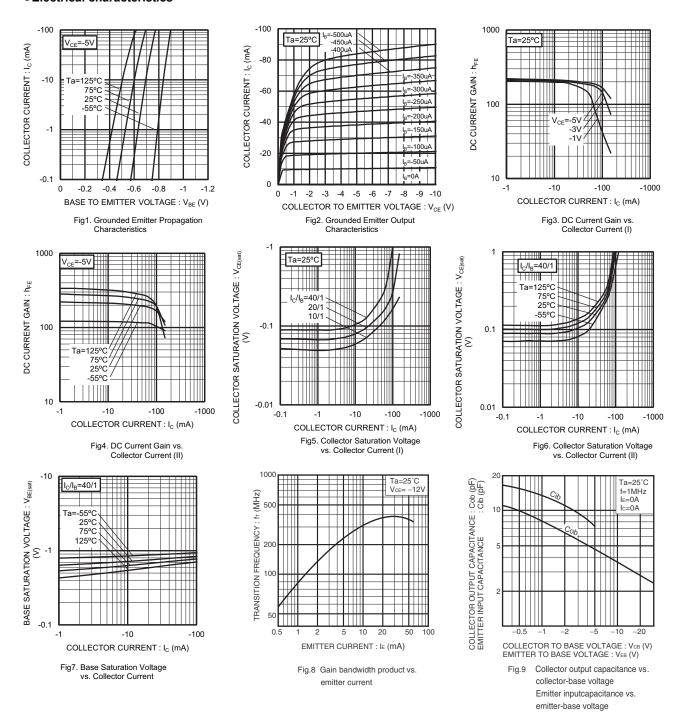
Parameter	Symbol	Limits	Unit	
Collector-base voltage	Vсво	-45	V	
Collector-emitter voltage	VCEO	-45	V	
Emitter-base voltage	VEBO	-5	V	
Collector current	lc	-0.2	A	
Callegtor namer discinction	D-	0.2	W	
Collector power dissipation	Pc	0.35	W *	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-55 to 150	°C	

^{*} Mounted on a 7×5×0.6 mm CERAMIC SUBSTRATE

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-emitter breakdown voltage	BVCEO	-45	_	_	V	Ic=-2mA
Emitter-base breakdown voltage	ВУево	-5	_	_	V	Ic=-10μA
Collector-emitter cutoff current	Ices	-	-	-0.1	μΑ	Vc=-45V
Emitter-base cutoff current	ІЕВО	ı	-	-0.1	μΑ	V _{EB} = -4V
Collector-emitter saturation voltage	VCE(sat)1	_	_	-0.25	V	Ic/I _B = -10mA/ -0.25mA
	VCE(sat)2	1	-	-0.55	V	Ic/I _B = -50mA/ -1.25mA
Base-emitter saturation voltage	VBE(sat)1	_	_	-0.85	V	Ic/I _B = -10mA/ -0.25mA
	VBE(sat)2	_	-	-1.05	V	Ic/I _B = -50mA/ -1.25mA
Base-emitter voltage	V _{BE(on)}	-0.6	-	-0.75	V	VcE= -5V, Ic= -2mA
DC current transfer ratio	hFE	140	-	310		VcE= -5V, Ic= -2mA
		80	-	_	ı	VcE= -5V, Ic= -50mA
Transition frequency	f⊤	-	180	-	MHz	Vc=-5V, I=-10mA, f=100MHz
Collector output capacitance	Cob	-	_	6	pF	V _{CB} = -10V, f=1MHz
Noise figure	NF		_	6	dB	V_{CE} = -5 V , I_{CE} = -200 μ A, f =1 k Hz,Rg=2 $k\Omega$
Collector-base cutoff current	Ісво	_	_	-20	μΑ	V _{CB} = -45V, Ta=150°C

•Electrical characteristics



Notes

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