PNP small signal transistor **BCX71H**

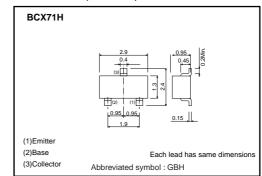
Features

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

Packaging specifications

	Package	Taping
Type	Code	T116
	Basic ordering unit (pieces)	3000
BCX71H		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	Ic	-0.2	А	
		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	Vce= -45V
Emitter-base cutoff current	ІЕВО	-	-	-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	_	-	-0.55	V	Ic/I _B = -50mA/ -1.25mA
Base-emitter saturation voltage	V _{BE} (sat)1	_	-	-0.85	V	Ic/I _B = -10mA/ -0.25mA
	V _{BE} (sat)2	_	-	-1.05	V	Ic/I _B = -50mA/ -1.25mA
Base-emitter voltage	VBE(on)	-0.6	-	-0.75	V	VcE= -5V, Ic= -2mA
DC current transfer ratio	hee	140	-	310		VcE= -5V, Ic= -2mA
DC current transfer fatto	IIFE	80	_	_	_	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	Vce= -5V, Ic= -200 μ A, f=1kHz,Rg=2k Ω
Collector-base cutoff current	Ісво	_	_	-20	μΑ	V _{CB} = −45V, Та=150°С



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