# PNP small signal transistor BC857B

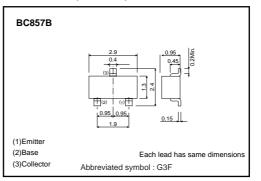
### Features

- 1) Ideal for switching and AF amplifier applications.
- 2) High current gain.

## Packaging specifications

Туре	Package	Taping	
	Code	T116	
	Basic ordering unit (pieces)	3000	
BC857B		0	

### •Dimensions (Unit : mm)



# ●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit	
Collector-base voltage	Vсво	-50	V	
Collector-emitter voltage	Vceo	-45	V	
Emitter-base voltage	Vebo	-5	V	
Collector current	lc	-0.1	А	
	<b>D</b>	0.20	W	
Collector power dissipation	Pc	0.35	W *	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-65 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=-1mA
Collector-base breakdown voltage	ВУсво	-50	-	-	V	Ic=-50μA
Emitter-base breakdown voltage	ВVево	-5	-	-	V	Iε= -50μA
Collector-base cutoff current	Ісво	_	_	-0.015	μΑ	Vcb=-30V
Collector-emitter saturation voltage	VCE(sat1)	-	_	-0.3	V	Ic/IB=-10mA/ -0.5mA
	VCE(sat2)	_	_	-0.65	V	Ic/I <sub>B</sub> =-100mA/ -5mA
Base-emitter voltage	VBE(on)	-0.6	_	-0.75	V	Vce= -5V, Ic= -10mA
DC current transfer ratio	hfe	210	-	480	I	Vce= 5V, Ic= -2mA
Transition frequency	fт	-	250	-	MHz	Vce= -5V, Ie= 20mA, f=100MHz
Collector outpu capacitance	Cob	-	-	4.5	pF	Vсв= –10V, f=1MHz
Collector-base cutoff current	Ісво	_	_	-4	μΑ	Vcb=-30V



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