PNP General Purpose Transistor BC858BW / BC858B

Features

- 1) BVCEO < -30V (IC=-1mA)
- 2) Complements the BC848B / BC848BW.

•Package, marking and packaging specifications

Paet No.	BC858BW	BC858B	
Pakaging type	UMT3	SST3	
Marking	G3K	G3K	
Code	T106	T116	
Basic ordering unit (pieces)	3000	3000	

●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit	
Collector-base voltage	Vсво	-30	V	
Collector-emitter voltage	Vceo	-30	V	
Emitter-base voltage	VEBO	-5	V	
Collector current	lc	-0.1	A	
Collector power dissipation	Pc	0.2	- W *	
	FC	0.35		
Junction temperature	Tj	150	°C	
torage temperature Tstg		-65 to +150	°C	

•External dimensions (Unit : mm)



When mounted on $7 \times 5 \times 0.6$ mm ceramic board.

•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВУсво	-30	-	-	V	Ic=-50µA
Collector-emitter breakdown voltage	BVCEO	-30	-	-	V	Ic=-1mA
Emitter-base breakdown voltage	BVEBO	-5	-	-	V	IE=-50μA
Collector cutoff current	Ісво	-	-	-100	nA	Vcb=-30V
	1080	-	-	4	μΑ	VcB=-30V, Ta=150°C
Collector-emitter saturation voltage		-	-	-0.3	V	Ic/IB=-10mA/-0.5mA
	VCE(sat)	-	-	-0.65	V	Ic/IB=-100mA/-5mA
Base-emitter saturation voltage	VBE(on)	-0.6	-	-0.75	V	Vce/Ic=-5V/-10mA
DC current transfer ratio	hre	210	-	480	-	Vce/Ic=-5V/-2mA
Transition frequency	fт	-	250	-	MHz	Vce=-5V , Ie=20mA , f=100MHz
Output capacitance	Cob	-	4.5	-	pF	Vcb=-10V , IE=0 , f=1MHz

•Electrical characteristics curves





characteristics (II)

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Transistors







BC858BW / BC858B

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