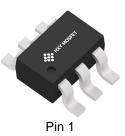


Features

Two transistors in one package Reduces number of components and board space No mutual interference between the transistors

Package Marking and Ordering Information

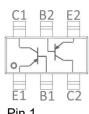
Product ID	Pack	Marking	Qty(PCS)
BC856BDW1T1G	SOT-363	5Ft	3000



SOT-363

Maximum Ratings (Ta=25 unless otherwise noted)

Symbol	Parameter	Value	Units
V _{CBO}	Collector- Base Voltage	-80	V
V _{CEO}	Collector-Emitter Voltage	-65	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current -Continuous	-0.1	Α
Pc	Collector Power Dissipation	0.2	W
R _{0JA}	Thermal Resistance from Junction to Ambient	625	°C/W
T _J ,T _{STG}	Operation Junction and Storage Temperature Range		℃



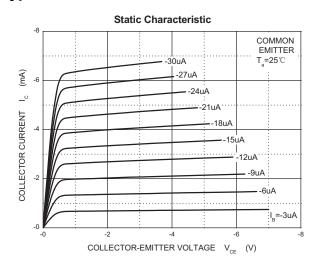
Electrcal Charcteristics (Ta=25 unless otherwise noted)

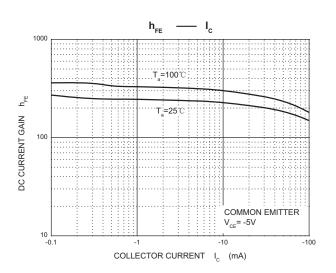
Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-10μΑ,I _E =0	-80			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	I _C =-10mA,I _B =0	-65			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	I _E =-10μA,I _C =0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} =-30V,I _E =0			-15	nA
Emitter cut-off current	I _{EBO}	V _{EB} =-5V,I _C =0			-100	nA
DC current gain	h _{FE}	V _{CE} =-5V,I _C =-2mA	200		450	
		I _C =-10mA, I _B =-0.5mA			-0.1	V
Collector-emitter saturation voltage	$V_{CE(sat)}$	I _C =-100mA, I _B =-5mA *			-0.3	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =-10mA, I _B =-0.5mA		0.7		V
Output Capacitance	C _{obo}	V _{CB} =-10V, f= 1MHz, I _E = 0			2.5	pF
Current Gain-Bandwidth Product	f _T	V _{CE} =-5V, I _C =-10mA, f= 100MHz	100)		MHz

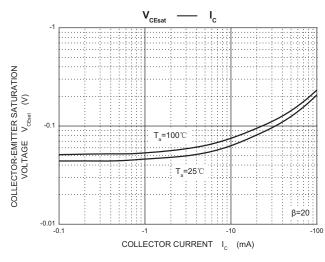
^{*}pulse test: PW \leq 350 μ S, δ \leq 2%.

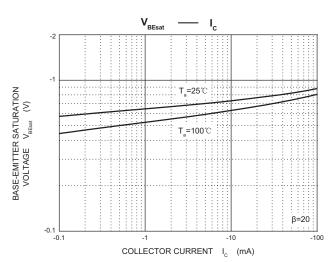


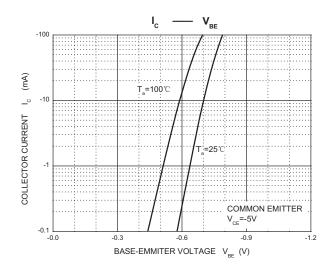
Typical Characteristics

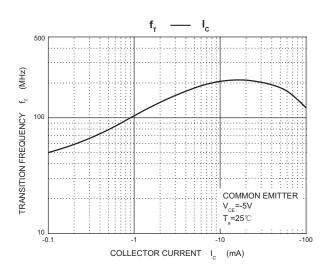






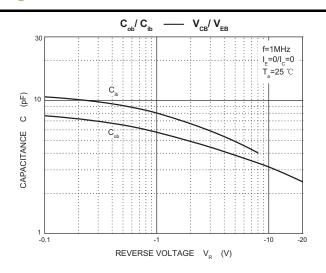


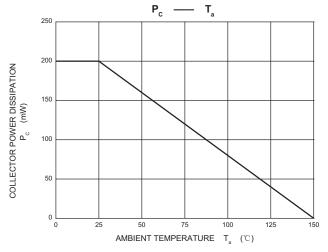




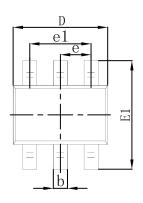
BC856BDW1T1G

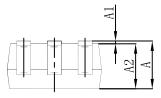
Dual-PNP Plastic-Encapsulate Transistors

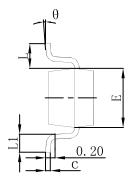




SOT-363 Package Outline Dimensions

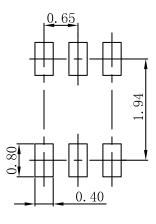






Symbol	Dimensions In Millimeters		Dimensions In Inches		
	Min	Max	Min	Max	
Α	0.900	1.100	0.035	0.043	
A1	0.000	0.100	0.000	0.004	
A2	0.900	1.000	0.035	0.039	
b	0.150	0.350	0.006	0.014	
С	0.100	0.150	0.004	0.006	
D	2.000	2.200	0.079	0.087	
E	1.150	1.350	0.045	0.053	
E1	2.150	2.400	0.085	0.094	
е	0.650 TYP		0.026 TYP		
e1	1.200	1.400	0.047	0.055	
L	0.525 REF		0.021 REF		
L1	0.260	0.460	0.010	0.018	
θ	0°	8°	0°	8°	

SOT-363 Suggested Pad Layout



Note:

- 1.Controlling dimension:in millimeters.
- 2.General tolerance:± 0.05mm.
- 3. The pad layout is for reference purposes only.



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