

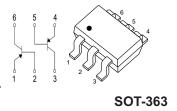


Product data sheet

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DUAL TRANSISTOR (PNP+PNP)

FEATURES

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

MARKING: 5Ft

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
lc	Collector Current -Continuous	-0.1	А
Pc	Collector Power Dissipation	0.2	W
R _{0JA}	Thermal Resistance from Junction to Ambient	625	°C/W
TJ	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55-150	°C

MAXIMUM RATINGS (T_a=25°C unless otherwise noted)

ELECTRICAL CHARACTERISTICS PNP 5401 (Ta=25°C unless otherwise specified)

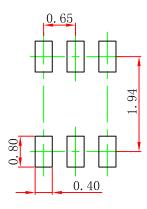
Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-10μΑ,I _E =0	-80			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	V _{(BR)CEO} I _C =-10mA,I _B =0				V
Emitter-base breakdown voltage	V _{(BR)EBO}	_{EBO} I _E =-10µA,I _C =0				V
Collector cut-off 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	110		600	
	V _{CE(sat)}	I _C =-10mA, I _B =-0.5mA			-0.1	V
Collector-emitter saturation voltage		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⊤	V _{CE} =-5V, I _C =-10mA, f= 100MHz	100			MHz

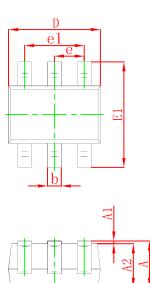
*pulse test: PW \leq 350µS, δ \leq 2%.





SOT-363

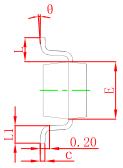




Note:

1.Controlling dimension:in millimeters. 2.General tolerance:± 0.05mm.

3. The pad layout is for reference purposes only.



Symbol	Dimensions	In Millimeters	Dimensions In Inches		
Symbol	Min	Max	Min	Max	
A	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°	

REEL SPECIFICATION

P/N	PKG	QTY
BC856S	SOT-363	3000





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