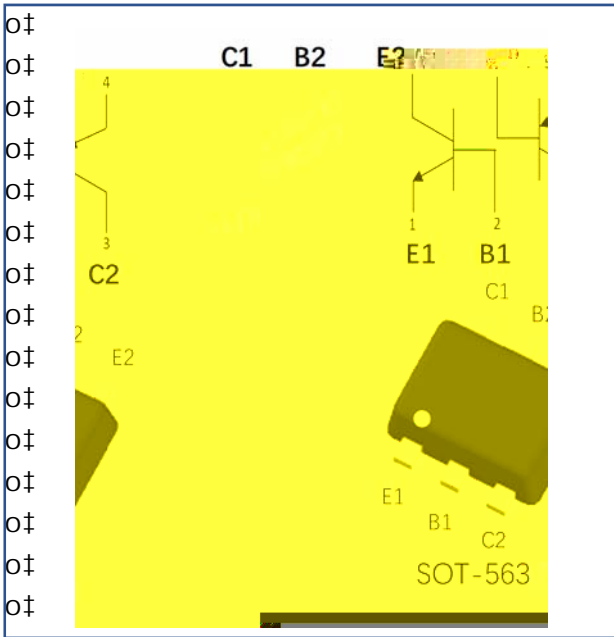


Dual NPN+PNP Small Signal Transistor



Features

- z 0RLVWXUH VHQVLWLYLW\ OHYHO
- z +DORJHQ IUHH DQG 5R+6 FRPSOL
- z 6XUIDFH PRXQW SDFNDJH LGHDO
- PDWLF ,QVHUWLRQ

Application

- z 6LJQDO DPSOLILFDWLRQ
- z 6ZLWFKLQJ FLUFXLW

Mechanical data

- z Package SOT-563
- z Terminals Tin plated leads z solderable per
- > -STD- \$ \$ 2 and > ESD22-B1 \$ 2

TR1-NPN

Item	Symbol	Unit	Conditions	Value
Device marking code				Z7
Collector-base voltage	V_{CBO}	V	$I_C 11 \text{ mA}$	15
Collector-emitter voltage	V_{CEO}	V	$I_C 11 \text{ mA}$	12
Emitter-base voltage	V_{EBO}	V	$I_E 11 \text{ mA}$	6
Collector current	I_C	mA		5
Power dissipation	P_D	mW		15
Storage temperature	T_S			-55 to +15

Unless otherwise specified)



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TR2-PNP

Item	Symbol	Unit	Conditions	Value
Collector-base voltage	V_{BO}	V	$I_C 1 - 1 \text{ mA}$	-15
Collector-emitter voltage	V_{CE}	V	$I_C 1 - 1 \text{ mA}$	-12
Emitter-Base voltage	V_{BE}	V	$I_E 1 - 1 \text{ mA}$	-6
Collector current	I_C	mA		-5
Power dissipation	P_D	mW		15
junction temperature	T_J			-55 to +15
Storage temperature	T_{STG}			-55 to +15

TR1-NPN

Item	Symbol	Unit	Conditions	Min	Typ	Max
Collector-base breakdown voltage	$V_{(BR)CBO}$	V	$I_C 1 - 1 \text{ mA}$	15		
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	V	$I_C 1 - 1 \text{ mA}$	12		
Emitter-base breakdown voltage	$V_{(BR)EBO}$	V	$I_E 1 - 1 \text{ mA}$	6		

Collector-base cut-off current

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TR2-PNP

Item	Symbol	Unit	Conditions	Min	Typ	Max
Collector-base breakdown voltage	$(B_{CB})_{CBO}$					



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Fig 7 P_D-T_a Curve

TR2-PNP

Fig 1 Static Characteristics

Fig 2 DC Current Gain Characteristics

ratio Fig 3 Collector-Emitter f_t

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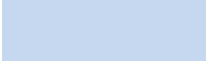
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