RoHS
COMPLIANT

Dual NPN+PNP Small Signal Transistor

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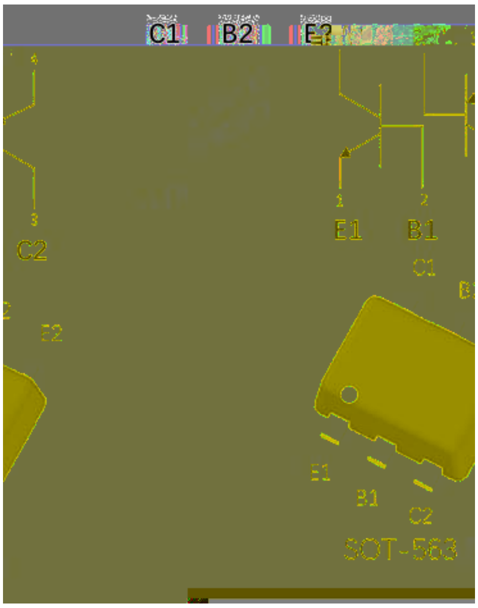

Features

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

Application

- 6LJQDO DPSOLILFDWLRQ
- 6ZLWFKLQJ FLUFXLW

Mechanical data

- Package SOT-563
- Terminals Tin plated leads , solderable per J-STD-002 and JESD22-B102

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TR1-NPN

Item	Symbol	Unit	Conditions	Value
Device marking code				Z7
Collector-base voltage	V_{CBO}	V	I_C = 100 uA, I_E = 0	15
Collector-emitter voltage	V_{CEO}	V	I_C = 1mA, I_B = 0	12
Emitter-base voltage	V_{EBO}	V	I_E = 100 uA, I_C = 0	6
Collector current	I_C	mA		500
Power dissipation	P_D	mW		150
Junction temperature	T_J	ł		-55 to +150

Unless otherwise specified)

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TR2-PNP

Item	Symbol	Unit	Conditions	Value
Collector-base voltage	V_{CBO}	V	I_C = -100uA, I_E=0	-15
Collector-emitter voltage	V_{CEO}	V	I_C = -1mA, I_B=0	-12
Emitter-Base voltage	V_{EBO}	V	I_E = -100uA, I_C=0	-6
Collector current	I_C	mA		-500
Power dissipation	P_D	mW		150
Junction temperature	T_J			-55 to +150
Storage temperature	T_{STG}			-55 to +150

TR1-NPN

Item	Symbol	Unit	Conditions	Min	Typ	Max
Collector-base breakdown voltage	$V_{(BR)CBO}$	V	I_C = 100uA, I_E=0	15		
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	V	I_C = 1mA, I_B=0	12		
Emitter-base breakdown voltage	$V_{(BR)EBO}$	V	I_E = 100uA, I_C=0	6		
Collector-base cut-off current	I_{CBO}					

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TR2-PNP

Item	Symbol	Unit	Conditions	Min	Typ	Max
Collector-base breakdown voltage	$V_{(BR)CBO}$					

Fig 7 P_D-Ta Curve

TR2-PNP

Fig 1 Static Characteristics

Fig 2 DC Current Gain Characteristics

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