

NT332

Emitter 2

Collector

3

PNP Silicon Transistor

Base

1

SOT-923

Description

• General small signal amplifier

Features

- Low collector saturation voltage : V_{CE(sat)}=-0.15V(Max.)
- Extremely small size package: 0.8x0.6x0.4 mm Typ.
- Complementary pair with NT331

Ordering Information

Type NO.	Marking	Package Code	
NT332	P	SOT-923	

 \Box : h_{FE} rank

Absolute Maximum Ratings

Absolute Maximum Ratings			(Ta=25°C)
Characteristic	Symbol	Rating	Unit
Collector-base voltage	V _{CBO}	-20	V
Collector-emitter voltage	V _{CEO}	-20	V
Emitter-base voltage	V _{EBO}	-5	V
Collector current	Ι _C	-50	mA
Collector power dissipation	P _C	50	mW
Junction temperature	TJ	150	°C
Storage temperature range	T _{stg}	-55~150	°C

Electrical Characteristics

Electrical Characteristics	-		-	-	(Ta=	=25°C)
Characteristic	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Collector-emitter breakdown voltage	BV _{CEO}	I_{C} =-1mA, I_{B} =0	-20	-	-	V
Collector cut-off current	I _{CBO}	V_{CB} =-20V, I_{E} =0	-	-	-0.1	μA
Emitter cut-off current	I _{EBO}	$V_{EB} = -5V, I_{C} = 0$	-	-	-0.1	μA
DC current gain	${\sf h}_{\sf FE}^{*}$	V_{CE} =-6V, I_C =-2mA	120	-	400	-
Collector-emitter saturation voltage	$V_{CE(sat)}$	I _C =-50mA, I _B =-5mA	-	-	-0.15	V
Base-emitter voltage	V_{BE}	V_{CE} =-6V, I_{C} =-2mA	-	-0.7	-0.9	V
Transition frequency	f_{T}	V_{CE} =-10V, I_{C} =-10mA	-	200	-	MHz
Collector output capacitance	C _{ob}	V_{CB} =-10V, I_E =0, f=1MHz	-	4	-	pF

*: h_{FE} rank / Y : 120~240, G : 200~400

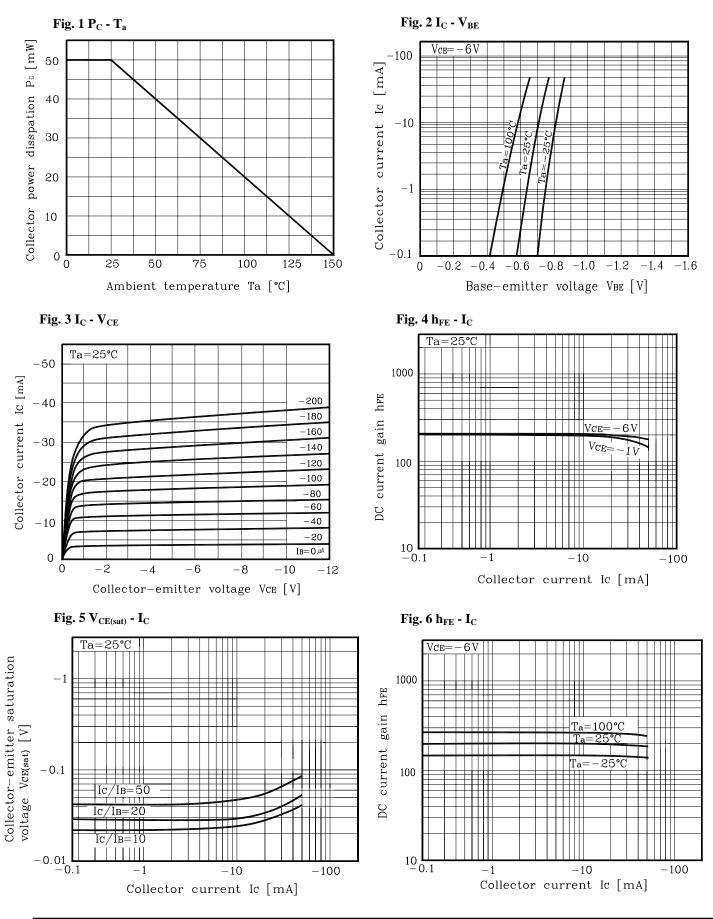
KSD-T5G002-001

PIN Connection

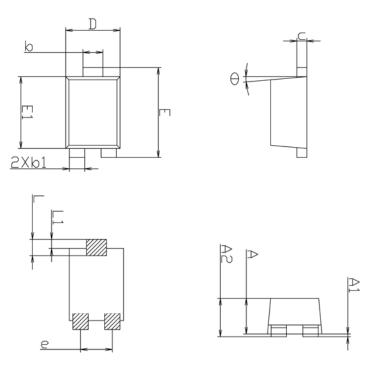
3

NT332

Electrical Characteristic Curves

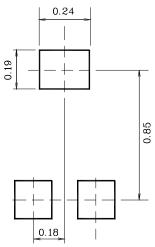


Outline Dimension



SYMBOL	MILLIMETERS			NOTE
STRIBUL	MINIMUM	NOMINAL	MAXIMUM	NOTE
Α	0.39	0.40	0.41	
A1	-	-	0.05	
A2	-	-	0.43	
b	0.17	0.22	0.27	
b1	0.12	0.17	0.22	
С	0.08	0.11	0.14	
D	0.55	0.60	0.65	
E	0.90	1.00	1.10	
E1	0.75	0.80	0.85	
L	0.10	0.18	0.26	
L1	0.05	0.10	0.15	
e		0.35 BSC	-	
θ		5° REF		

*Recommend PCB solder land [Unit: mm]



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