

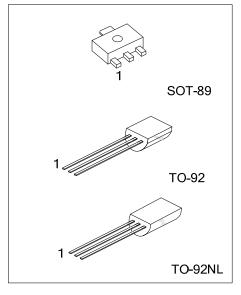
2SA928A

PNP SILICON TRANSISTOR

AUDIO POWER AMPLIFIER

FEATURES

- * Collector Dissipation $\mathsf{P}_{C}\text{=}1\ \mathsf{W}$
- * 3 W Output Application
- * Complement of 2SC2328A



ORDERING INFORMATION

Ordering Number		Deekege	Pin Assignment			Deaking
Lead Free	Halogen Free	Package	1	2	3	Packing
-	2SA928AG-AB3-R	SOT-89	В	С	Е	Tape Reel
2SA928AL-x-T92-B	2SA928AG-x-T92-B	TO-92	Е	С	В	Tape Box
2SA928AL-x-T92-K	2SA928AG-x-T92-K	TO-92	Е	С	В	Bulk
2SA928AL-x-T9N-B	2SA928AG-x-T9N-B	TO-92NL	Е	С	В	Tape Box
2SA928AL-x-T9N-K	2SA928AG-x-T9N-K	TO-92NL	Е	С	В	Bulk

2SA928A <u>G-x-AB3-R</u>	(1)Packing Type	(1) R: Tape Reel. B: Tape Box, K: Bulk (2) AB3: SOT-89, T92:TO-92, T9N: TO-92NL
	(2)Package Type (3)Rank	(3) x: refer to Classification of h_{FE}
	(4)Lead Plating	(4) G: Halogen Free, L: Lead Free, Blank: Pb/Sn

MARKING

SOT-89	TO-92	TO-92NL			
□□□□ 2SA928AG 1	UTC A928A G: Halogen Free Data Code	L: Lead Free G: Halogen Free Data Code ← UTC 2SA928A □ □□□□ □□□□			

■ ABSOLUTE MAXIMUM RATINGS (T_A=25°C, unless otherwise specified)

PARAMI	ETER	SYMBOL	RATINGS	UNIT
Collector- Base Voltage		V _{CBO}	-30	V
Collector-Emitter Voltage		V _{CEO}	-30	V
Emitter-Base Voltage		V _{EBO}	-5	V
Collector Current		lc	-2	А
Collector Dissipation	SOT-89	Pc	0.5	W
	TO-92/TO-92NL		1.0	W
Junction Temperature		ТJ	+150	°C
Storage Temperature		T _{STG}	-55 ~ +150	°C

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ ELECTRICAL CHARACTERISTICS (T_A=25°C, unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector-Base Breakdown Voltage	BV _{CBO}	I _C =-100μA, I _E =0	-30			V
Collector-Emitter Breakdown Voltage	BV _{CEO}	I _C =-1mA, I _B =0	-30			V
Emitter-Base Breakdown Voltage	BV _{EBO}	I _E =-1mA, I _C =0	-5			V
Collect Cut-off Current	I _{CBO}	V _{CB} =-30V, I _E =0			-100	nA
Emitter Cut-off Current	I _{EBO}	V _{BE} =-5V, I _C =0			-100	nA
DC Current Ratio	h _{FE}	V _{CE} =-2V, I _C =-500mA	100		320	
Base-Emitter on Voltage	V _{BE(ON)}	V _{CE} =-2V, I _C =-500mA			-1	V
Collector-Emitter Saturation Voltage	V _{CE(SAT)}	I _C =-1.5A, I _B =-30mA			-2	V
Output Capacitance	C _{OB}	V _{CB} =-10V, I _E =0, f =1MHz		48		рF
Current Gain Bandwidth Product	f _T	V _{CE} =-2V, I _C =-500mA		120		MH_Z

CLASSIFICATION OF h_{FE}

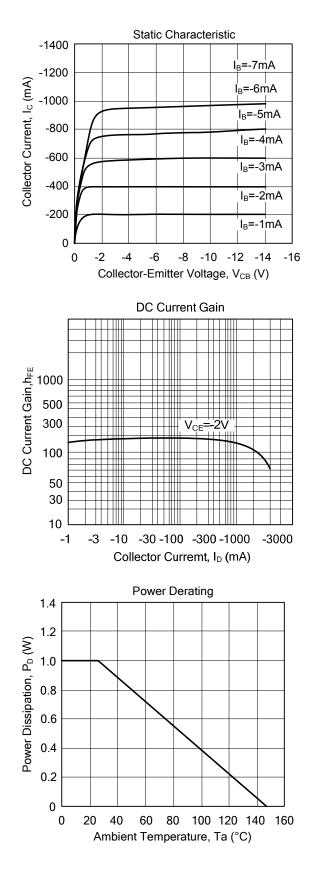
RANK	Q	Y
RANGE	100 ~ 200	160 ~ 320

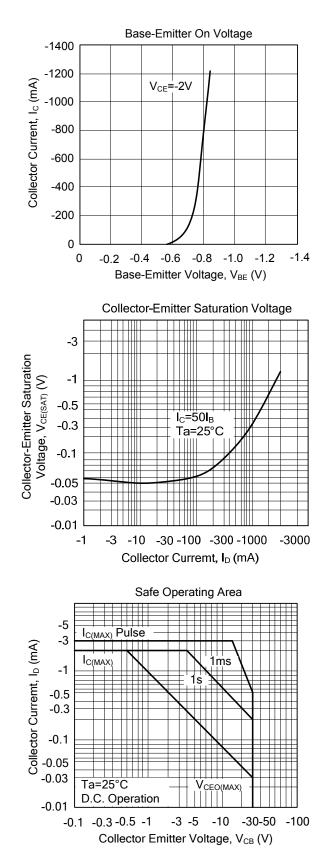


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PNP SILICON TRANSISTOR

TYPICAL CHARACTERISTICS





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