UNISONIC TECHNOLOGIES CO., LTD

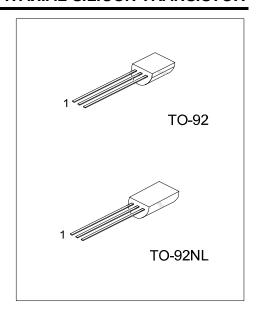
2SC2328A

NPN EPITAXIAL SILICON TRANSISTOR

AUDIO POWER AMPLIFIER

FEATURES

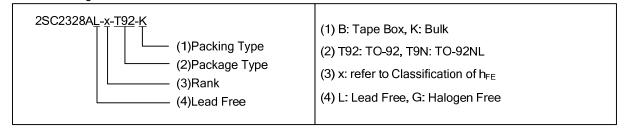
- * Collector Dissipation Pc=1 W
- * 3 W Output Application
- * Complement of 2SA928A



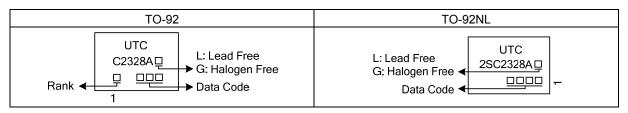
ORDERING INFORMATION

Ordering Number		Dookogo	Pin Assignment			Dooking
Lead Free	Halogen Free	Package	1	2	3	Packing
2SC2328AL-x-T92-B	2SC2328AG-x-T92-B	TO-92	Е	С	В	Tape Box
2SC2328AL-x-T92-K	2SC2328AG-x-T92-K	TO-92	Е	С	В	Bulk
2SC2328AL-x-T9N-K	2SC2328AG-x-T9N-K	TO-92NL	Е	С	В	Bulk
2SC2328AL-x-T9N-B	2SC2328AG-x-T9N-B	TO-92NL	Е	С	В	Tape Box

Note: Pin Assignment: E: Emitter C: Collector B: Base



MARKING



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

PARAMETER		SYMBOL	RATINGS	UNIT	
Collector-Base Voltage		V_{CBO}	30	V	
Collector-Emitter Voltage		V_{CEO}	30	V	
Emitter-Base Voltage		V_{EBO}	5	V	
Callagter Dissipation	TO-92	Pc	500	\A/	
Collector Dissipation	TO-92NL		625	mW	
Collector Current		Ic	2	Α	
Junction Temperature		T_J	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 =10mA, I _B =0	30			V
Emitter-Base Breakdown Voltage	BV_{EBO}	I _E =1mA,I _C =0	5			V
Collector 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 Gain (Note)	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 =0.03A			2	V
Output Capacitace	Сов	V _{CB} =10V, I _E =0, f=1MHz		30		pF
Current Gain Bandwidth Product	f_T	V _{CE} =2V, I _C =500mA		120		MHz

CLASSIFICATION OF h_{FE}

RANK	0	Υ		
RANGE	100-200	160-320		

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