



SSB302

Preliminary

ZCB snubber

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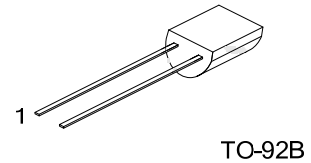
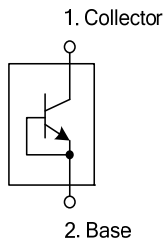
DESCRIPTION

The UTC **SSB302** is a ZCB snubbers.

FEATURES

- * Collector-base voltage: $V_{(BR)CB}=700V$
- * Collector current: $I_C=1.5A$

SYMBOL



ORDERING INFORMATION

Ordering Number		Package	Pin Assignment		Packing
Lead Free	Halogen Free		1	2	
SSB302L-T9B-B	SSB302G-T9B-B	TO-92B	C	B	Tape Box
SSB302L-T9B-K	SSB302G-T9B-K	TO-92B	C	B	Bulk

Note: Pin assignment: C: Collector B: Base

SSB302L-T9B-B (1) Packing Type (2) Package Type (3) Lead Free	(1) B: Tape Box, K: Bulk (2) T9B: TO-92B (3) L: Lead Free, G: Halogen Free
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■ ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	RATINGS	UNIT
Breakdown Voltage	V_{CB}	700	V
Collector Current	I_C	1.5	A
Peak Forward Surge Current (8.3ms Single Half)	I_{FSM}	3	A
Collector Power Dissipation	P_C	750	mW
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 ($T_A=25^{\circ}\text{C}$, unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Breakdown Voltage	V_{CB}	$I_C=100\mu\text{A}$	700			V
Forward Voltage	V_F	$I_C=0.5\text{A}$		0.8		V
		$I_C=1\text{A}$		0.9		V
		$I_C=1.5\text{A}$		1.1	2.0	V
Reverse Current	I_{CB}	$C_B=700\text{V}$			1	μA

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