



## SSB303

Preliminary

ZCB snubber

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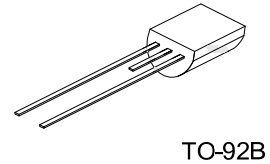
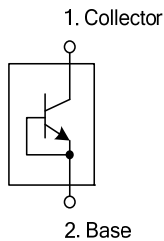
#### DESCRIPTION

The UTC **SSB303** is a ZCB snubbers.

#### FEATURES

- \* Collector-base voltage:  $V_{(BR)CB}=800V$
- \* Collector current:  $I_C=2A$

#### SYMBOL



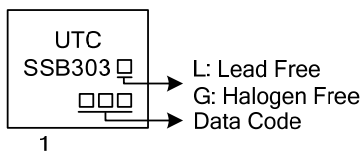
#### ORDERING INFORMATION

Ordering Number		Package	Pin Assignment		Packing
Lead Free	Halogen Free		1	2	
SSB303L-T9B-B	SSB303G-T9B-B	TO-92B	C	B	Tape Box
SSB303L-T9B-K	SSB303G-T9B-K	TO-92B	C	B	Bulk

Note: Pin assignment: C: Collector B: Base

<p>SSB303L-T9B-B</p> <ul style="list-style-type: none"><li>(1) Packing Type</li><li>(2) Package Type</li><li>(3) Green Package</li></ul>	<p>(1) B: Tape Box, K: Bulk</p> <p>(2) T9B: TO-92B</p> <p>(3) L: Lead Free, G: Halogen Free and Lead Free</p>
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#### MARKING



# ■ ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	RATINGS	UNIT
Breakdown Voltage	$V_{CB}$	800	V
Collector Current	$I_C$	2	A
Peak Forward Surge Current (8.3ms Single Half)	$I_{FSM}$	4	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	$V_{CB}$		800			V
		$I_C=1\text{A}$		0.8		V
		$I_C=2\text{A}$		0.9	2.0	V
Reverse Current	$I_{CB}$	$C_B=800\text{V}$			1	$\mu\text{A}$

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