



BAT54TS

DIODE

SURFACE MOUNT SCHOTTKY BARRIER

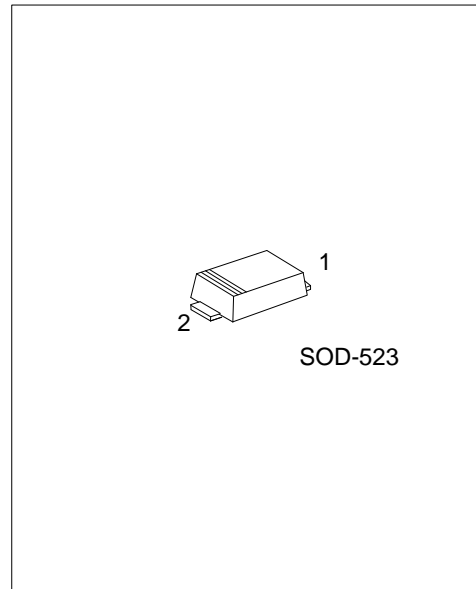
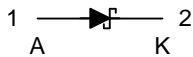
DESCRIPTION

The UTC **BAT54TS** is a Schottky Barrier Rectifier with high switching speed, ESD protection and low forward voltage.

FEATURES

- * High switching speed
- * Low Forward voltage

SYMBOL



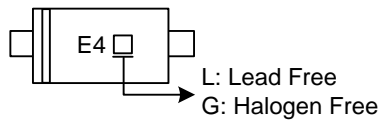
ORDERING INFORMATION

Ordering Number		Package	Pin Assignment		Packing
Lead Free	Halogen Free		1	2	
BAT54TSL-CC2-R	BAT54TSG-CC2-R	SOD-523	A	K	Tape Reel

Note: Pin Assignment: A: Anode K: Cathode

<p>BAT54TSG-CC2-R</p> <ul style="list-style-type: none"> (1) Packing Type (2) Package Type (3) Green Package 	<ul style="list-style-type: none"> (1) R: Tape Reel (2) CC2 : SOD-523 (3) G: Halogen Free and Lead Free, L: Lead Free
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MARKING



■ ABSOLUTE MAXIMUM RATINGS

(T_A=25°C, unless otherwise specified. Fore capacitive load, derate current by 20%)

PARAMETER	SYMBOL	RATINGS	UNIT
Peak Repetitive Reverse Voltage	V _{RRM}	30	V
Continuous Forward Current	I _F	0.2	A
Peak Forward Surge Current, 1.0s Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	0.6	A
Junction Capacitance (V _R =1V)	C _J	10	pF
Operating Junction Temperature	T _J	-55 ~ +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.

■ THERMAL CHARACTERISTICS

PARAMETER	SYMBOL	RATINGS	UNIT
Junction to Ambient	θ _{JA}	667	°C/W

■ ELECTRICAL CHARACTERISTICS

(T_A=25°C, unless otherwise specified. Fore capacitive load, derate current by 20%)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Maximum Instantaneous Forward Voltage	V _F	I _F = 0.1mA			0.24	V
		I _F = 1mA			0.32	V
		I _F = 10mA			0.4	V
		I _F = 30mA			0.5	V
		I _F = 100mA			0.8	V
DC Reverse Current at Rated DC Blocking Voltage	I _R	V _R = 25V			2	μA

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