



## 1SS400

Preliminary

DIODE

### SWITCHING DIODE

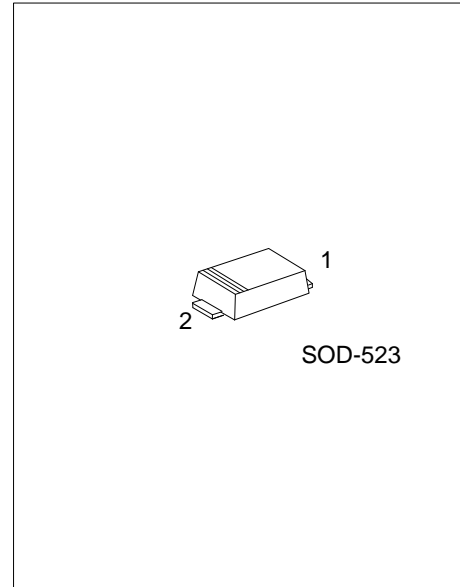
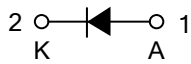
#### DESCRIPTION

The UTC **1SS400** is a switching diode, it uses UTC's advanced technology to provide customers with high speed switching and low reverse leakage, etc.

#### FEATURES

- \* High speed switching
- \* Low reverse leakage

#### SYMBOL



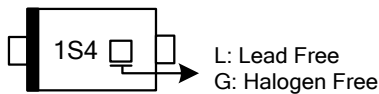
#### ORDERING INFORMATION

Ordering Number		Package	Pin Assignment		Packing
Lead Free	Halogen Free		1	2	
1SS400L-CC2-R	1SS400G-CC2-R	SOD-523	A	K	Tape Reel

Note: Pin Assignment: A: Anode, K: Cathode

<p>1SS400G-CC2-R</p> <ul style="list-style-type: none"> <li>(1) Packing Type</li> <li>(2) Package Type</li> <li>(3) Green Package</li> </ul>	<ul style="list-style-type: none"> <li>(1) R: Tape Reel</li> <li>(2) CC2 : SOD-523</li> <li>(3) G: Halogen Free and Lead Free, L: Lead Free</li> </ul>
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#### MARKING



### ■ ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	RATINGS	UNIT
DC Blocking Voltage	$V_R$	80	V
Peak Repetitive Reverse Voltage	$V_{RRM}$	90	V
Average Rectified Output Current	$I_O$	100	mA
Power Dissipation	$P_D$	150	mW
Operating Junction Temperature	$T_J$	-55~+125	°C
Storage Temperature	$T_{STG}$	125	°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

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	$V_F$	$I_F=100\text{mA}$			1.2	V
Reverse Leakage Current	$I_R$	$V_R=80\text{V}$			0.1	$\mu\text{A}$
Reverse Recovery Time	$t_{rr}$	$V_R=6\text{V}, I_F=10\text{mA}, R_L=100\Omega$			4	ns

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