



# UUDZ 12B

Preliminary

**DIODE**

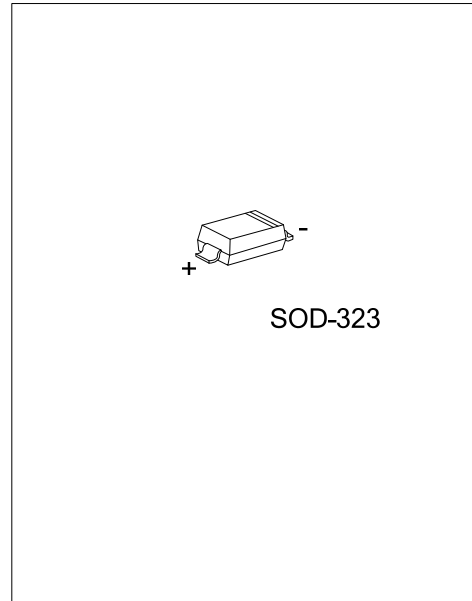
## ZENER DIODE

### DESCRIPTION

The UTC **UUDZ 12B** is a surface mount silicon Zener Diode using UTC's advanced technology to provide customers with low power dissipation.

### FEATURES

- \* Low Power Dissipation: 200mW
- \* Zener Voltage (Min.=11.74V, Max.=12.24V)
- \* High reliability



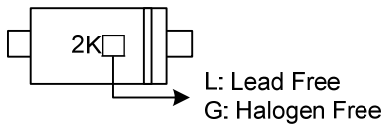
### ORDERING INFORMATION

Ordering Number		Package	Pin Assignment		Packing
Lead Free	Halogen Free		1	2	
UUDZ 12BL-CB2-R	UUDZ 12BG-CB2-R	SOD-323	A	K	Tape Reel

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

<p>UUDZ 12BL-CB2-R</p> <ul style="list-style-type: none"> <li>(1) Packing Type</li> <li>(2) Package Type</li> <li>(3) Lead Free</li> </ul>	<ul style="list-style-type: none"> <li>(1) R: Tape Reel</li> <li>(2) CB2: SOD-323</li> <li>(3) Halogen Free, L: Lead Free</li> </ul>
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### MARKING



■ ABSOLUTE MAXIMUM RATINGS (T<sub>A</sub>=25°C)

PARAMETER	SYMBOL	RATINGS	UNIT
Power dissipation	P <sub>D</sub>	200	mW
Junction Temperature	T <sub>J</sub>	150	°C
Operating Temperature	T <sub>OPR</sub>	-55~150	°C
Storage Temperature	T <sub>STG</sub>	-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<sub>A</sub>=25°C)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Zener Voltage	V <sub>Z</sub>	I <sub>Z</sub> =5mA	11.74		12.24	V
Dynamic Impedance	Z <sub>Z</sub>	I <sub>Z</sub> =5mA			30	Ω
Dynamic Knee Impedance	Z <sub>ZK</sub>	I <sub>Z</sub> =0.5mA			80	Ω
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =9V			0.1	μA

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