



UUDZ 12B

Preliminary

DIODE

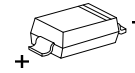
ZENER DIODE

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



SOD-323

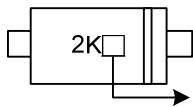
ORDERING INFORMATION

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

UUDZ 12BL-CB2-R	(1) Packing Type (2) Package Type (3) Lead Free	(1) R: Tape Reel (2) CB2: SOD-323 (3) Halogen Free, L: Lead Free
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MARKING



L: Lead Free
G: Halogen Free

■ ABSOLUTE MAXIMUM RATINGS (T_A=25°C)

PARAMETER	SYMBOL	RATINGS	UNIT
Power dissipation	P _D	200	mW
Junction Temperature	T _J	150	°C
Operating Temperature	T _{OPR}	-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.

■ ELECTRICAL CHARACTERISTICS (T_A=25°C)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Zener Voltage	V _Z	I _Z =5mA	11.74		12.24	V
Dynamic Impedance	Z _Z	I _Z =5mA			30	Ω
Dynamic Knee Impedance	Z _{ZK}	I _Z =0.5mA			80	Ω
Reverse Current	I _R	V _R =9V			0.1	μA

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