

CONSTANT VOLTAGE REGULATION

REFERENCE VOLTAGE

LOW NOISE

KDZ100VL~KDZ200VL

FEATURES

- Small Package : USC
- High Noise Immunity

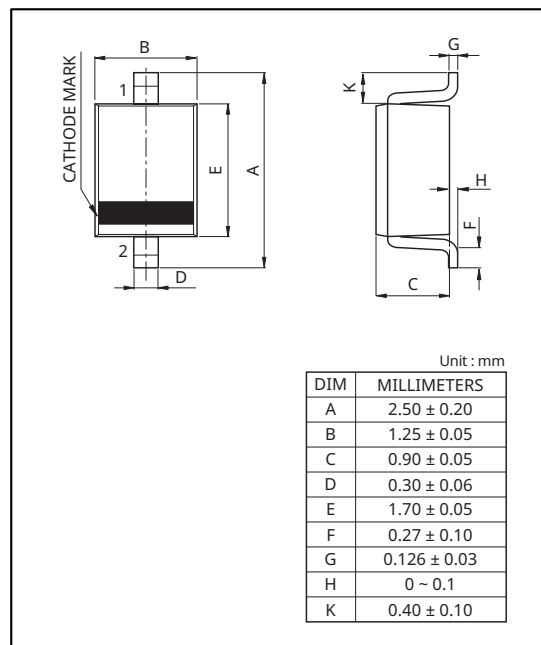
APPLICATIONS

- Constant Voltage Regulation
- Reference Voltage Regulation

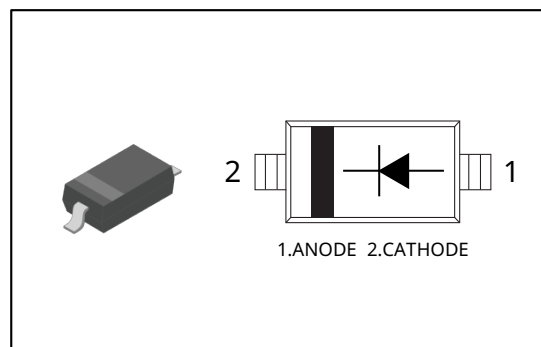
MARKING CODE

Type No.	Marking	Type No.	Marking	Type No.	Marking
KDZ100VL	LL	KDZ150VL	LM	KDZ200VL	LN

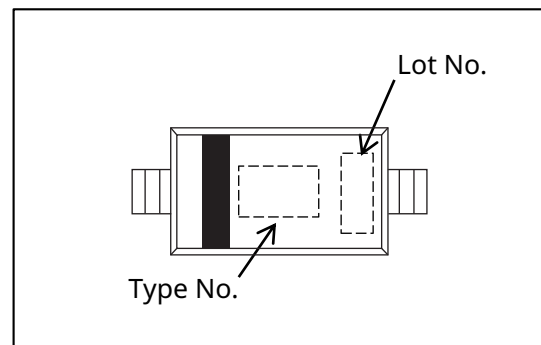
PACKAGE DIMENSION (USC)



PIN CONFIGURATION



MARKING CODE



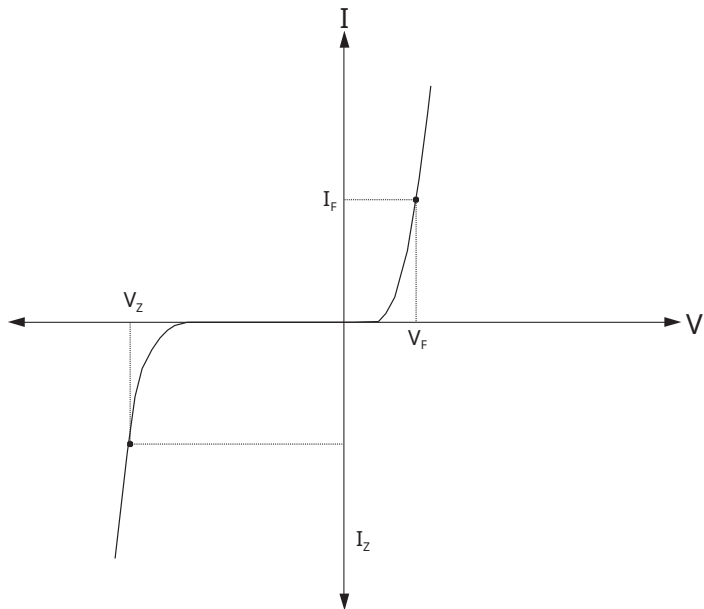
PRODUCT DATASHEET
ZENER DIODE - KDZ100VL~KDZ200VL

MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	P_D^*	200	mW
Junction Temperature	T_J	150	°C
Storage Temperature	T_{STG}	-55~150	°C

* Mounted on a glass epoxy circuit board of 20x20cm, pad dimension of 4x4cm

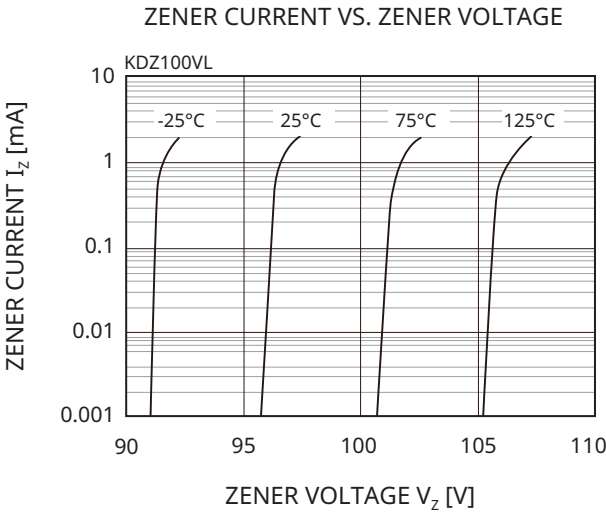
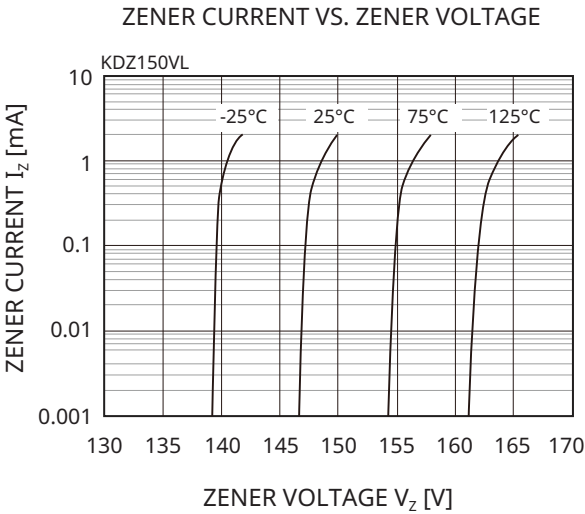
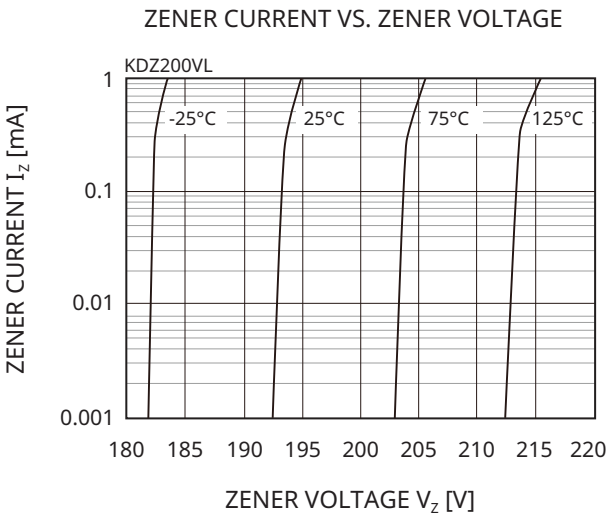
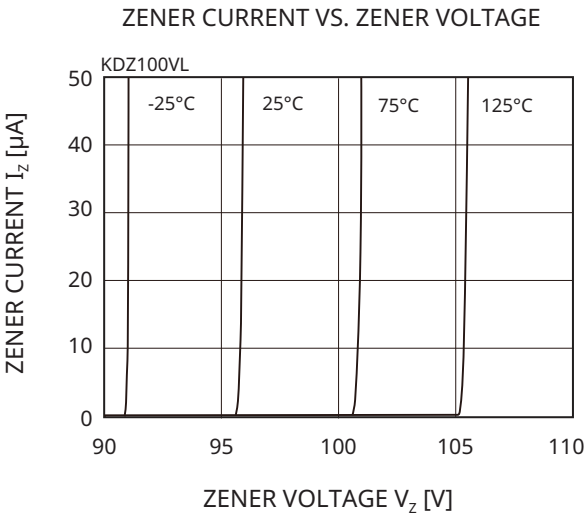
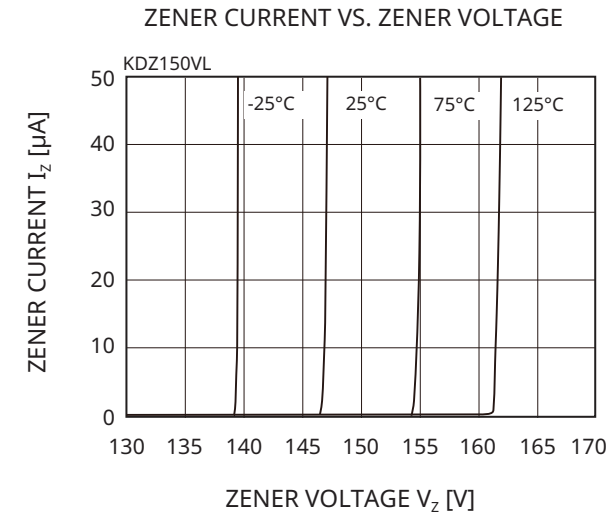
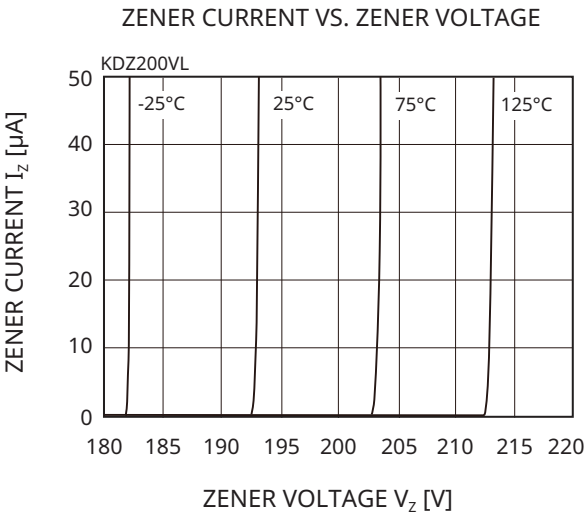
DEFINITIONS OF ELECTRICAL CHARACTERISTIC SYMBOL



ELECTRICAL CHARACTERISTICS (Ta=25°C)

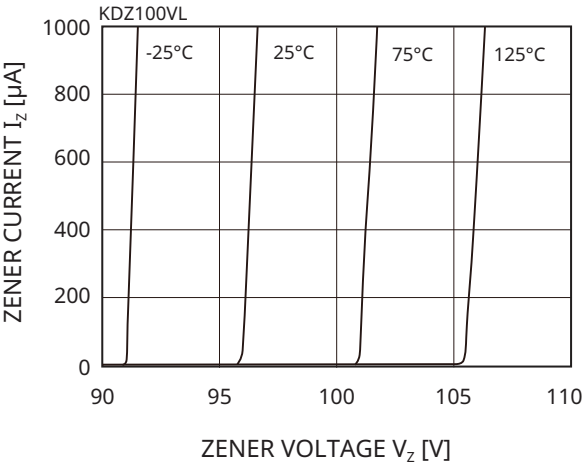
TYPE No.	Zener Voltage Vz (V)						Reverse Current I _r (μA)	
	I _z =2μA		I _z =500μA		I _z =1mA		MAX.	V _r (V)
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.		
KDZ100VL	96.0	102.0	96.0	104.0	95.0	105.0	0.2	76
KDZ150VL	145.5	154.5	140.0	156.0	142.0	160.0	0.1	128
KDZ200VL	192.0	204.0	187.5	208.0	190.0	210.0	0.1	170

PRODUCT DATASHEET
ZENER DIODE - KDZ100VL~KDZ200VL

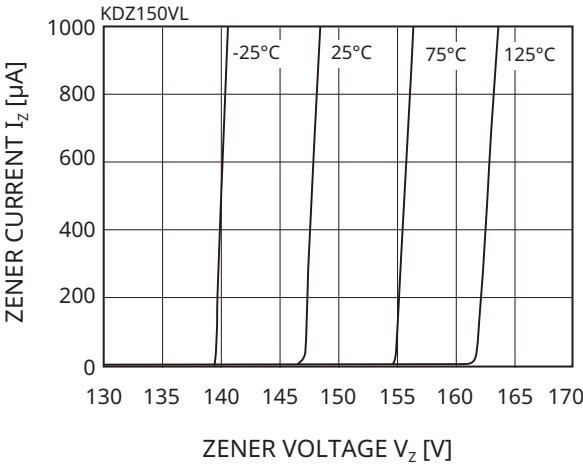


PRODUCT DATASHEET
ZENER DIODE - KDZ100VL~KDZ200VL

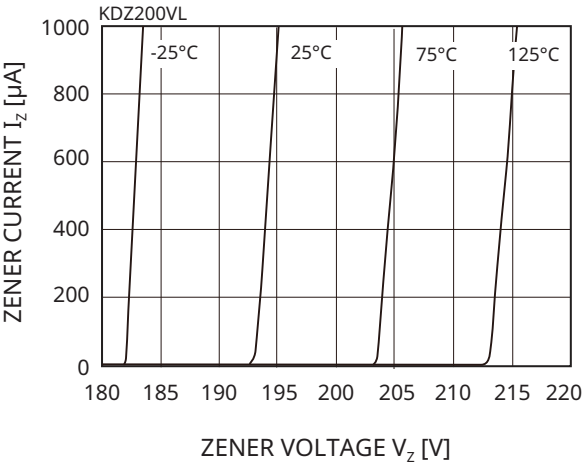
ZENER CURRENT VS. ZENER VOLTAGE



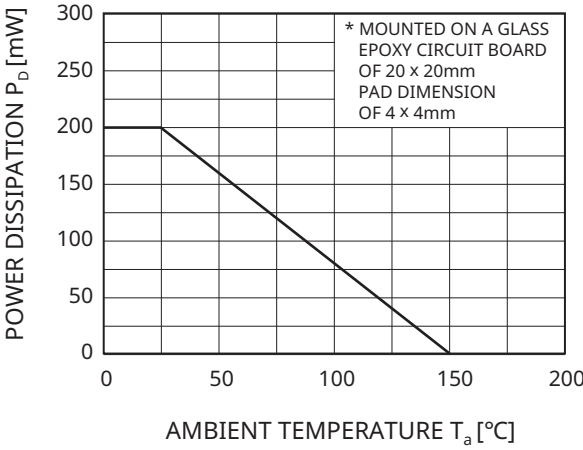
ZENER CURRENT VS. ZENER VOLTAGE



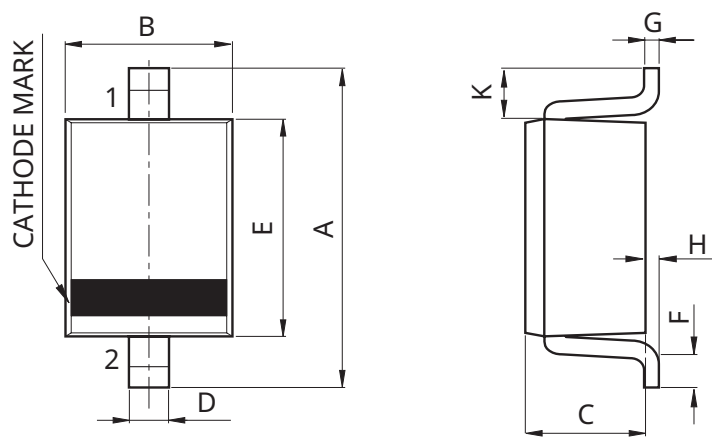
ZENER CURRENT VS. ZENER VOLTAGE



POWER DISSIPATION VS. AMBIENT TEMPERATURE



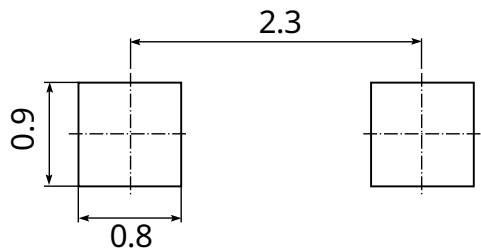
PACKAGE INFORMATION (USC)



Unit : mm

DIM	MILLIMETERS
A	2.50 ± 0.20
B	1.25 ± 0.05
C	0.90 ± 0.05
D	0.30 ± 0.06
E	1.70 ± 0.05
F	0.27 ± 0.10
G	0.126 ± 0.03
H	0 ~ 0.1
K	0.40 ± 0.10

RECOMMENDED PAD DIMENSION



PRODUCT DATASHEET
ZENER DIODE - KDZ100VL~KDZ200VL

ORDERING INFORMATION

Part Number	Status	Compliance			Packing Type	Packing Qty
		AEC-Q	Pb-Free	Halogen Free		
KDZ100VL-RTK/H	Active	-	Y	Y	Reel	3,000pcs
KDZ150VL-RTK/H	Active	-	Y	Y	Reel	3,000pcs
KDZ200VL-RTK/H	Active	-	Y	Y	Reel	3,000pcs

PRECAUTION ON USING KEC PRODUCTS

1. The products described in this data are intended to be used in general-purpose electronic equipment.
(Office equipment, telecommunication equipment, measuring equipment, home appliances)
2. When you intend to use these products with equipment or device which require an extremely high of reliability and special applications (such as automobile, air travel aerospace, transportation equipment, life support, system and safety devices) in which special quality and reliability and the failure or malfunction of products may directly jeopardize or harm the human body or damage to property and any application other than the standard application intended, please be sure to consult with our sales representative in advance.
3. On designing your application, please use product within the ranges guaranteed by KEC for maximum rating, operating supply voltage range, heat radiation characteristics and other characteristics. User shall be responsible for failure or damage when used beyond the guaranteed ranges.
4. The technical information described in this data is limited to showing representative characteristics and applied circuit examples of the products and it does not constitute the warranting of industrial property, the granting of relative rights, or the granting of any license.
5. What are described in the data may be changed without any prior notice to reflect new technical development. Please confirm that you have received the latest product standards or specification before final design, purchase or use.
6. Although KEC is continuously working to improve product reliability and quality, semiconductors can break down and malfunction due to various factors. Therefore, in order to prevent personal injury or fire arising from failure, please take safety measures such as complying with the derating characteristics, implementing redundant and fire prevention designs, and utilizing backups and fail-safe procedures. KEC shall have no responsibility for any damages arising out of the use of our Products beyond the rating specified by KEC.

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