

CONSTANT VOLTAGE REGULATION APPLICATION.  
REFERENCE VOLTAGE APPLICATION.  
WAVE FORM CLIPPER

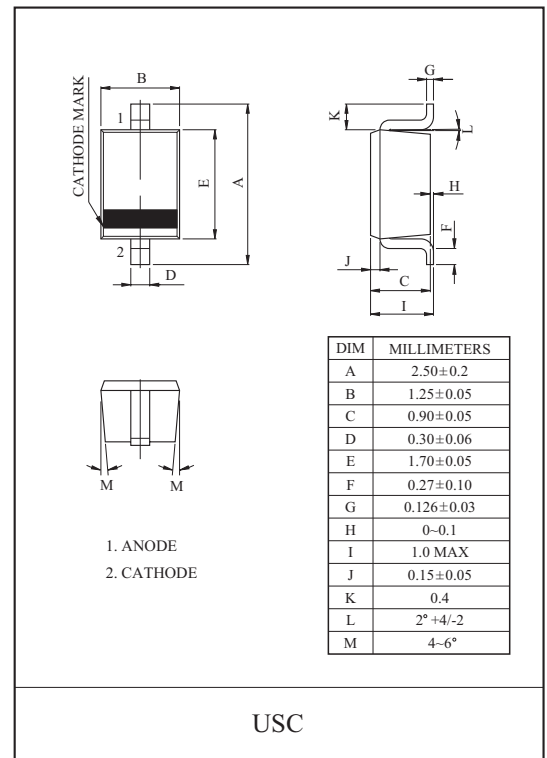
#### FEATURES

- Small Package : USC
- Sharp breakdown characteristic.
- Suffix U : Qualified to AEC-Q101.  
ex) KDZ100V-RTK/HU

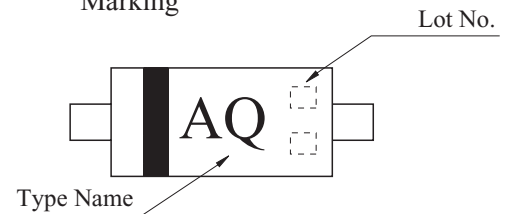
#### MAXIMUM RATING (Ta=25 )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	$P_D^*$	200	mW
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	
Operating Temperature	$T_{opr}$	-55 150	

\* Mounted on a glass epoxy circuit board of 20 × 20mm,  
pad dimension of 4 × 4mm.



Marking



#### ELECTRICAL CHARACTERISTICS (Ta=25 )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Zener Voltage (Note1)	$V_Z$	$I_Z=1mA$	95.0	-	105.0	V
Dynamic Impedan (Note2)	$Z_Z$	$I_Z=1mA$	-	-	700	
Reverse Current	$I_R$	$V_R=76V$	-	-	0.2	$\mu A$

(Note 1)  $V_Z$  is tested with pulsed (40ms)

(Note 2)  $V_Z$  is measured at  $I_Z$  by given a very small A.C current signal.

# KDZ100V

