

CONSTANT VOLTAGE REGULATION APPLICATION.

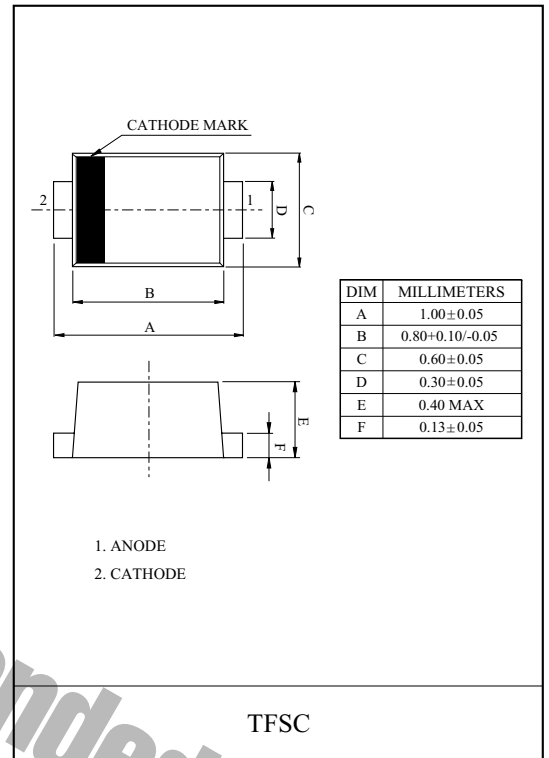
#### FEATURES

- Small Package : TFSC
- Normal Voltage Tolerance about  $\pm 2\%$

#### MAXIMUM RATING (Ta=25 )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	$P_D^*$	100	mW
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 ~ 150	

\* Mounted on a glass epoxy circuit board of  $20 \times 20\text{mm}$ , pad dimension of  $4 \times 4\text{mm}$ .



Marking

Type Name

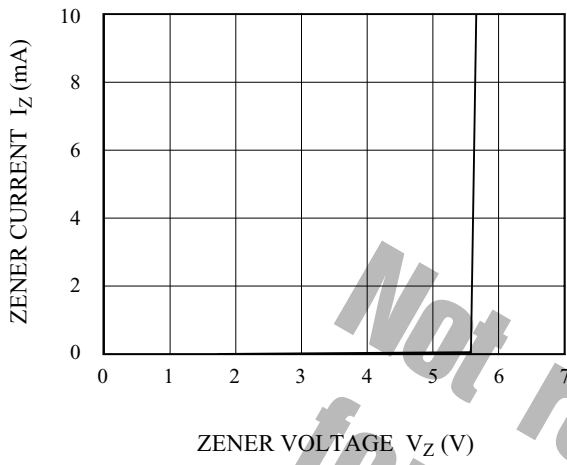


#### ELECTRICAL CHARACTERISTICS (Ta=25 )

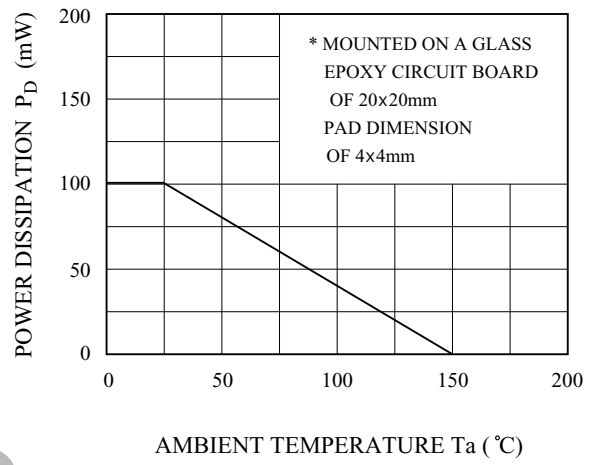
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Zener Voltage	$V_Z$	$I_Z=5\text{mA}$	5.490	-	5.730	V
Dynamic Impedance	$Z_Z$	$I_Z=5\text{mA}$	-	-	60	
Knee Dynamic Impedance	$Z_{ZK}$	$I_Z=0.5\text{mA}$	-	-	200	
Reverse Current	$I_R$	$V_R=2.5\text{V}$	-	-	1	$\mu\text{A}$
Total capacitance	$C_t$	$V_R=0.5\text{V}, f=1\text{MHz}$	-	-	25	pF
		$V_R=2.5\text{V}, f=1\text{MHz}$	-	-	19	

# KDZ5.6CF

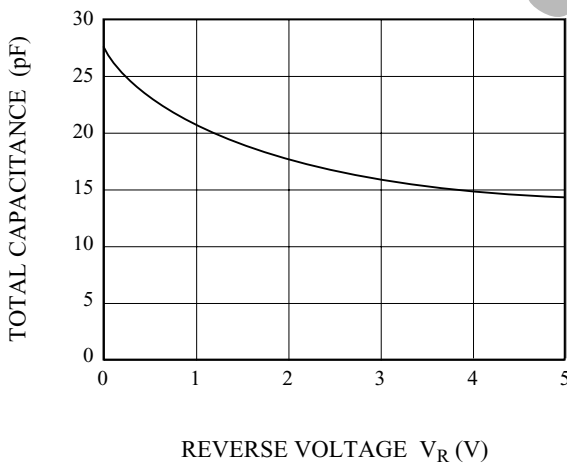
$I_Z - V_Z$



$P_D - T_a$



$C_t - V_R$



Not recommended for new design