

CONSTANT VOLTAGE REGULATION APPLICATION.

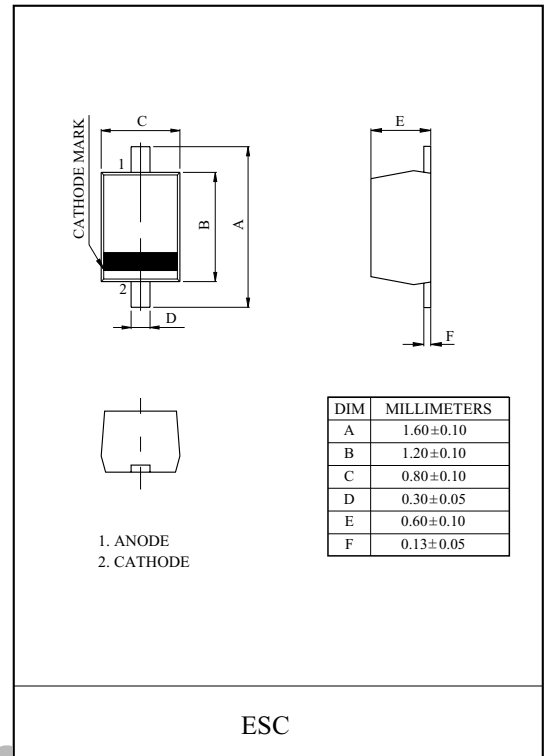
FEATURES

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

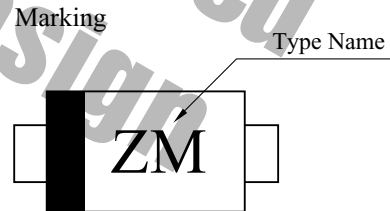
MAXIMUM RATING (Ta=25)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	P_D^*	150*	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 $4 \times 4\text{mm}$.



Not recommended for new design

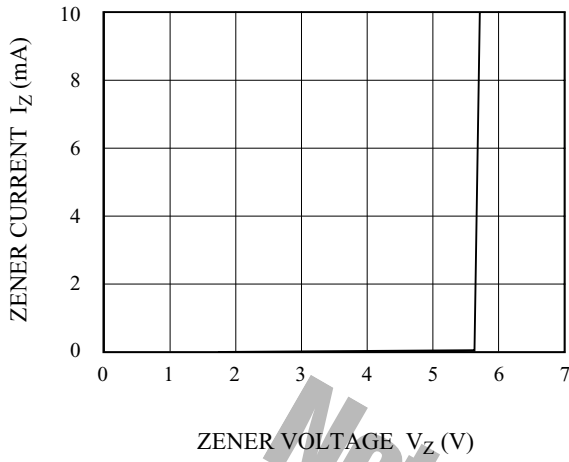


ELECTRICAL CHARACTERISTICS (Ta=25)

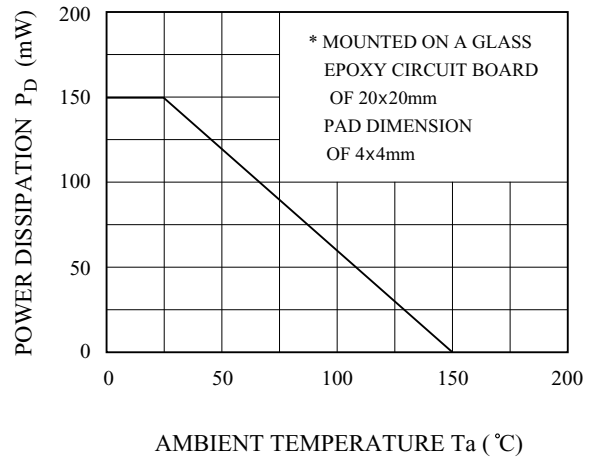
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Zener Voltage	V_Z	$I_Z=5\text{mA}$	5.490	-	5.730	V
Dynamic Impedance	Z_Z	$I_Z=5\text{mA}$	-	-	60	
Knee Dynamic Impedance	Z_{ZK}	$I_Z=0.5\text{mA}$	-	-	200	
Reverse Current	I_R	$V_R=2.5\text{V}$	-	-	1	μA
Total capacitance	C_t	$V_R=0.5\text{V}, f=1\text{MHz}$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

KDZ5.6CE

$I_Z - V_Z$



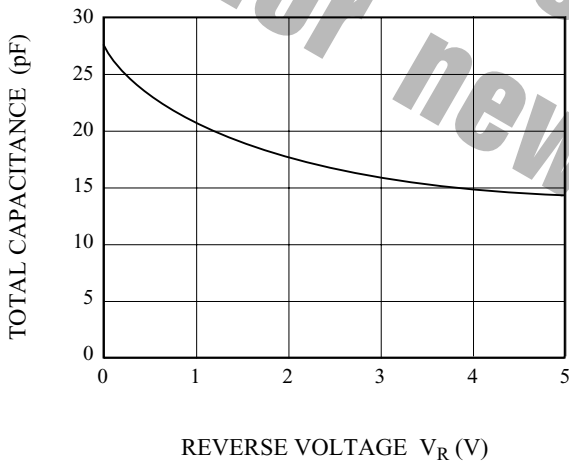
$P_D - T_a$



ZENER VOLTAGE V_Z (V)

AMBIENT TEMPERATURE T_a (°C)

$C_t - V_R$



REVERSE VOLTAGE V_R (V)

Not recommended for new design