

CONSTANT VOLTAGE REGULATION APPLICATION.  
REFERENCE VOLTAGE APPLICATION.

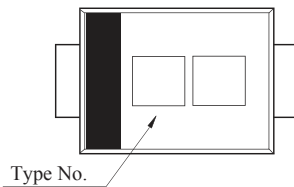
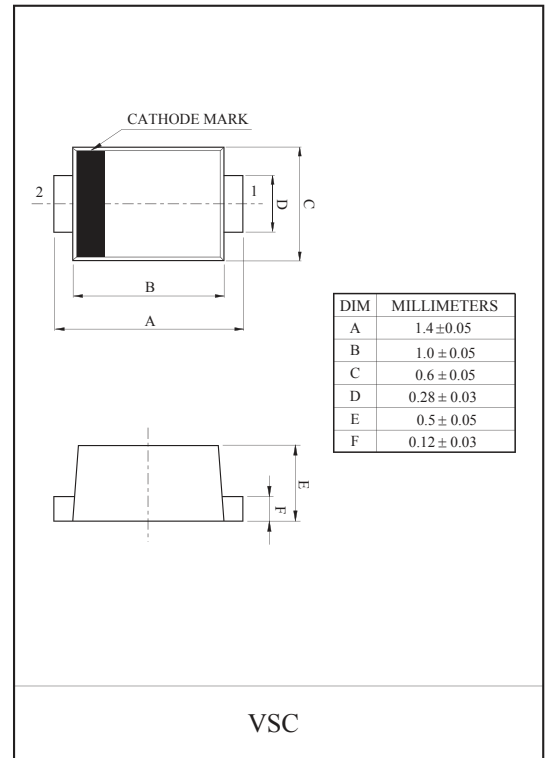
#### FEATURES

- Small Package : VSC
- Sharp Breakdown Characteristic.
- Zener Voltage Tolerance
  - None Grade : About  $\pm 6\%$ .
  - Y Grade : About  $\pm 2.5\%$ .

#### MAXIMUM RATING (Ta=25°C)

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

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



Type No.	Marking		Type No.	Marking	Type No.	Marking	Type No.	Marking	
	-	Y						-	Y
**KDZ2.0VV	ZA	AY	KDZ4.3VV	JY	KDZ9.1VV	SY	KDZ20VV	-	4Y
**KDZ2.2VV	ZB	BY	KDZ4.7VV	KY	KDZ10VV	0Y	KDZ22VV	-	7Y
**KDZ2.4VV	ZC	CY	KDZ5.1VV	LY	KDZ11VV	1Y	KDZ24VV	-	9Y
**KDZ2.7VV	ZD	DY	KDZ5.6VV	MY	KDZ12VV	2Y	KDZ27VV	27	-
**KDZ3.0VV	ZE	EY	KDZ6.2VV	NY	KDZ13VV	3Y	KDZ30VV	30	-
**KDZ3.3VV	ZF	FY	KDZ6.8VV	PY	KDZ15VV	5Y	KDZ33VV	33	-
**KDZ3.6VV	ZG	GY	KDZ7.5VV	QY	KDZ16VV	6Y	KDZ36VV	36	-
**KDZ3.9VV	ZH	HY	KDZ8.2VV	RY	KDZ18VV	8Y	-	-	-

\*\*Under development

# KDZ2.0VV~36VV

## ELECTRICAL CHARACTERISTICS (Ta=25°C)

TYPE No.	Grade	Zener Voltage Vz (V)			Dynamic Impedance Zz (Ω)		KNEE Dynamic Impedance Zzk (Ω)		Reverse Current IR (μA)	
		Min.	Max.	Iz (mA)	MAX.	Iz (mA)	MAX.	Iz (mA)	MAX.	VR(V)
KDZ2.0VV	-	1.85	2.15	5	100	5	1000	0.5	120	1.0
	Y	1.95	2.15							
KDZ2.2VV	-	2.05	2.38	5	100	5	1000	0.5	120	1.0
	Y	2.16	2.38							
KDZ2.4VV	-	2.28	2.60	5	100	5	1000	0.5	120	1.0
	Y	2.40	2.60							
KDZ2.7VV	-	2.50	2.90	5	110	5	1000	0.5	120	1.0
	Y	2.65	2.90							
KDZ3.0VV	-	2.80	3.20	5	120	5	1000	0.5	50	1.0
	Y	2.95	3.20							
KDZ3.3VV	-	3.10	3.50	5	130	5	1000	0.5	20	1.0
	Y	3.25	3.50							
KDZ3.6VV	-	3.40	3.80	5	130	5	1000	0.5	10	1.0
	Y	3.60	3.845							
KDZ3.9VV	-	3.70	4.10	5	130	5	1000	0.5	10	1.0
	Y	3.89	4.16							
KDZ4.3VV	Y	4.17	4.43	5	130	5	1000	0.5	5	1.0
KDZ4.7VV	Y	4.55	4.75	5	120	5	1000	0.5	5	1.0
KDZ5.1VV	Y	4.98	5.20	5	70	5	1000	0.5	1	1.5
KDZ5.6VV	Y	5.49	5.73	5	40	5	900	0.5	1	2.5
KDZ6.2VV	Y	6.06	6.33	5	30	5	500	0.5	1	3.0
KDZ6.8VV	Y	6.65	6.93	5	25	5	150	0.5	0.5	5.0
KDZ7.5VV	Y	7.28	7.60	5	23	5	120	0.5	0.5	6.0
KDZ8.2VV	Y	8.02	8.36	5	20	5	120	0.5	0.5	6.5
KDZ9.1VV	Y	8.85	9.23	5	18	5	120	0.5	0.5	7.0
KDZ10VV	Y	9.77	10.21	5	15	5	120	0.5	0.5	8.0

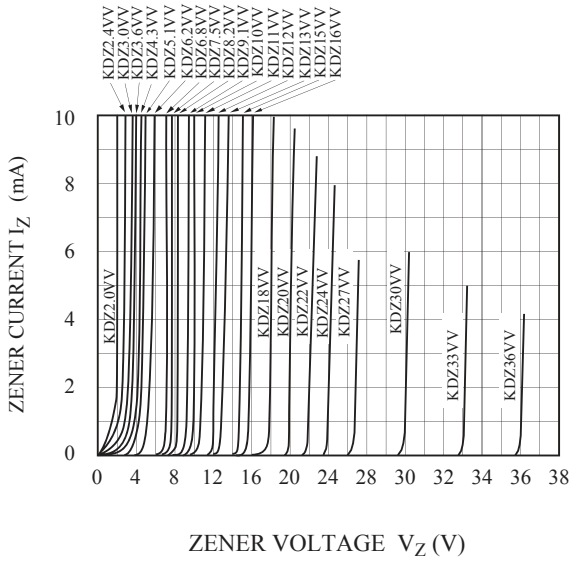
# KDZ2.0VV~36VV

## ELECTRICAL CHARACTERISTICS (Ta=25°C)

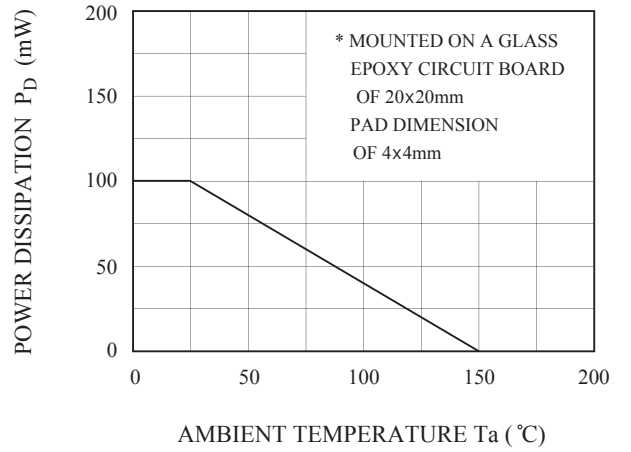
TYPE No.	Grade	Zener Voltage Vz (V)			Dynamic Impedance Zz (Ω)		KNEE Dynamic Impedance Zzk (Ω)		Reverse Current IR (μA)	
		Min.	Max.	Iz (mA)	MAX.	Iz (mA)	MAX.	Iz (mA)	MAX.	VR(V)
KDZ11VV	Y	10.76	11.22	5	15	5	120	0.5	0.5	8.5
KDZ12VV	Y	11.74	12.24	5	15	5	110	0.5	0.5	9.0
KDZ13VV	Y	12.91	13.49	5	15	5	110	0.5	0.5	10
KDZ15VV	Y	14.34	14.98	5	15	5	110	0.5	0.5	11
KDZ16VV	Y	15.85	16.51	5	18	5	150	0.5	0.5	12
KDZ18VV	Y	17.56	18.35	5	20	5	150	0.5	0.5	14
KDZ20VV	Y	19.52	20.39	5	25	5	200	0.5	0.5	15
KDZ22VV	Y	21.54	22.47	5	30	5	200	0.5	0.5	17
KDZ24VV	Y	23.72	24.78	5	40	5	200	0.5	0.5	19
KDZ27VV	-	26.19	27.53	2	150	2	150	0.5	0.1	21
KDZ30VV	-	29.19	30.69	2	200	2	200	0.5	0.1	23
KDZ33VV	-	32.15	33.79	2	250	2	250	0.5	0.1	25
KDZ36VV	-	35.07	36.87	2	300	2	300	0.5	0.1	27

# KDZ2.0VV~36VV

$I_Z - V_Z$



$P_D - T_a$



$\gamma_Z - V_Z$

