

CONSTANT VOLTAGE REGULATION APPLICATION.
REFERENCE VOLTAGE APPLICATION.

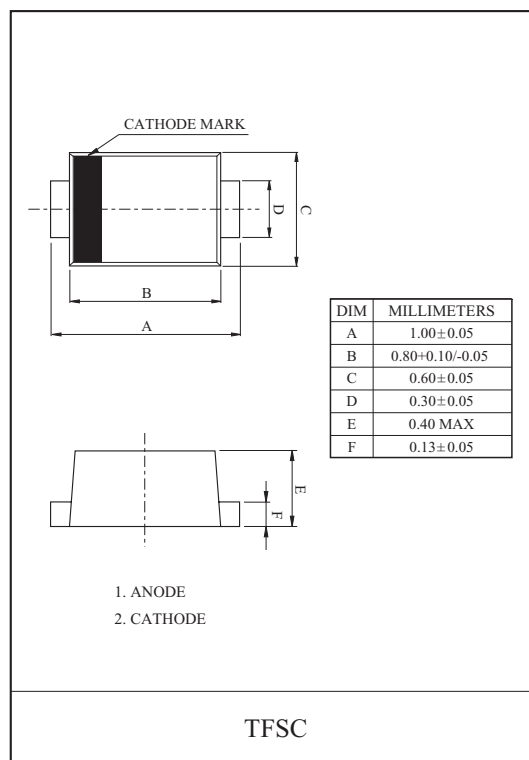
FEATURES

- Small Package : TFSC
- Nominal Voltage Tolerance About $\pm 6\%$.

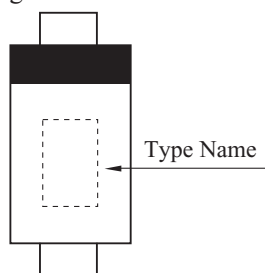
MAXIMUM RATING (Ta=25 °C)

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

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



Marking



Type No.	Marking		Type No.	Marking		Type No.	Marking	
	-	Y Grade		-	Y Grade		-	Y Grade
** KDZ3.6FV	2F	2P	KDZ8.2FV	DF	DP	KDZ20FV	MF	MP
** KDZ3.9FV	3F	3P	KDZ9.1FV	EF	EP	KDZ22FV	NF	NP
KDZ4.3FV	4F	4P	KDZ10FV	UF	UP	KDZ24FV	QF	QP
KDZ4.7FV	5F	5P	KDZ11FV	GF	GP	KDZ27FV	RF	RP
KDZ5.1FV	6F	6P	KDZ12FV	HF	HP	KDZ30FV	SF	SP
KDZ5.6FV	8	8P	KDZ13FV	JF	JP	KDZ33FV	AF	AP
KDZ6.2FV	9F	9P	KDZ15FV	KF	KP	KDZ36FV	TF	TP
KDZ6.8FV	BF	BP	KDZ16FV	9	91	-	-	-
KDZ7.5FV	PF	PP	KDZ18FV	LF	LP	-	-	-

* *Under development.

KDZ3.6FV~KDZ36FV

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)
KDZ3.6FV	-	3.40	3.80	5	130	5	1000	0.5	10	1.0
	Y	3.60	3.845							
KDZ3.9FV	-	3.70	4.10	5	130	5	1000	0.5	10	1.0
	Y	3.89	4.16							
KDZ4.3FV	-	4.00	4.50	5	130	5	1000	0.5	5	1.0
	Y	4.17	4.43							
KDZ4.7FV	-	4.40	4.90	5	120	5	1000	0.5	5	1.0
	Y	4.55	4.75							
KDZ5.1FV	-	4.80	5.40	5	70	5	1000	0.5	1	1.5
	Y	4.98	5.20							
KDZ5.6FV	-	5.30	6.00	5	40	5	900	0.5	1	2.5
	Y	5.49	5.73							
KDZ6.2FV	-	5.80	6.60	5	30	5	500	0.5	1	3.0
	Y	6.06	6.33							
KDZ6.8FV	-	6.40	7.20	5	25	5	150	0.5	0.5	5.0
	Y	6.65	6.93							
KDZ7.5FV	-	7.00	7.90	5	23	5	120	0.5	0.5	6.0
	Y	7.28	7.60							
KDZ8.2FV	-	7.70	8.70	5	20	5	120	0.5	0.5	6.5
	Y	8.02	8.36							
KDZ9.1FV	-	8.50	9.60	5	18	5	120	0.5	0.5	7.0
	Y	8.85	9.23							
KDZ10FV	-	9.40	10.60	5	15	5	120	0.5	0.5	8.0
	Y	9.77	10.21							
KDZ11FV	-	10.40	11.60	5	15	5	120	0.5	0.5	8.5
	Y	10.76	11.22							
KDZ12FV	-	11.40	12.60	5	15	5	110	0.5	0.5	9.0
	Y	11.74	12.24							
KDZ13FV	-	12.40	14.10	5	15	5	110	0.5	0.5	10
	Y	12.91	13.49							
KDZ15FV	-	13.80	15.60	5	15	5	110	0.5	0.5	11
	Y	14.34	14.98							
KDZ16FV	-	15.30	17.10	5	18	5	150	0.5	0.5	12
	Y	15.85	16.51							
KDZ18FV	-	16.80	19.10	5	20	5	150	0.5	0.5	14
	Y	17.56	18.35							

KDZ3.6FV~KDZ36FV

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)
KDZ20FV	-	18.80	21.20	5	25	5	200	0.5	0.5	15
	Y	19.52	20.39							
KDZ22FV	-	20.80	23.30	5	30	5	200	0.5	0.5	17
	Y	21.54	22.47							
KDZ24FV	-	22.80	25.60	5	40	5	200	0.5	0.5	19
	Y	23.72	24.78							
KDZ27FV	-	25.10	28.90	2	150	2	150	0.5	0.1	21
	Y	26.19	27.53							
KDZ30FV	-	28.00	32.00	2	200	2	200	0.5	0.1	23
	Y	29.19	30.69							
KDZ33FV	-	31.00	35.00	2	250	2	250	0.5	0.1	25
	Y	32.15	33.79							
KDZ36FV	-	34.00	38.00	2	300	2	300	0.5	0.1	27
	Y	35.07	36.87							

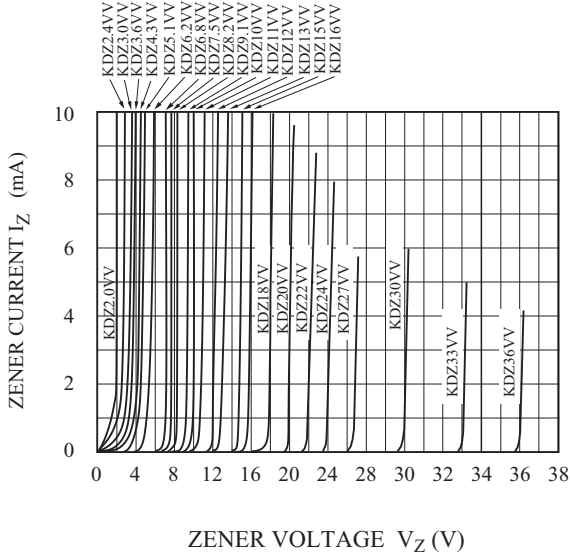
Note 1) The Zener voltage is measured 40ms after power is supplied.

Note 2) The Dynamic Impedance (Zz) are measured by superimposing a minute alternating current on the regulated current (Iz)

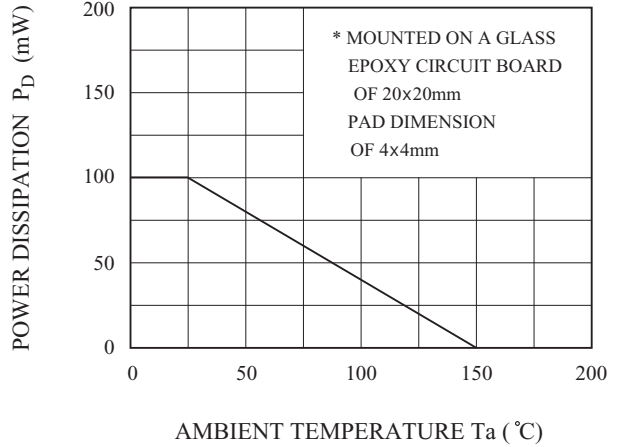
Note 3) * : Under development.

KDZ3.6VV~KDV36VV

$I_Z - V_Z$



$P_D - T_a$



$\gamma_Z - V_Z$

