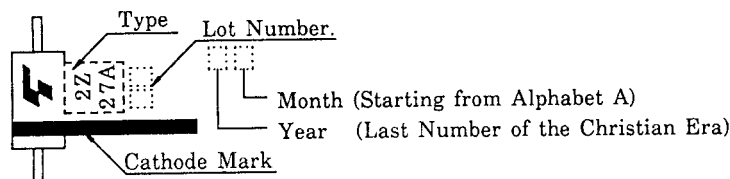


## 2Z12~2Z51

### CONSTANT VOLTAGE REGULATION TRANSIENT SUPPRESSORS

- Average Power Dissipation :  $P=1.5W$
- Peak Reverse Power Dissipation  
:  $PRSM=900W$  at  $t_w=200\mu s$
- Zener Voltage :  $V_Z=12\sim 51V$
- Plastic Mold Package

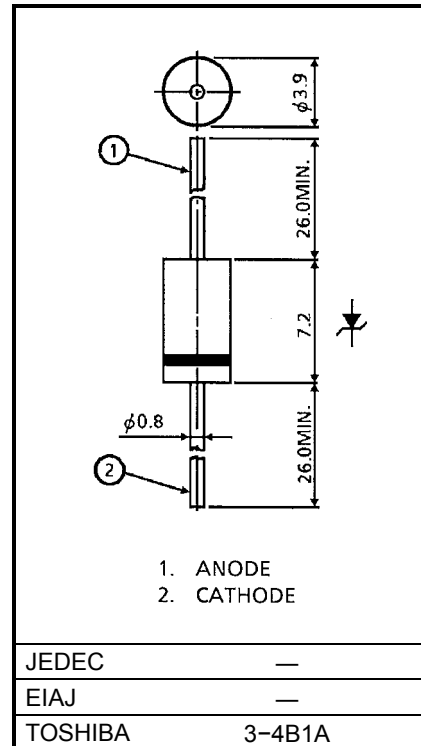
### MARK



### MAXIMUM RATINGS ( $T_a = 25^\circ C$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	P	1.5	W
Junction Temperature	$T_j$	-40 ~ 150	$^\circ C$
Storage Temperature Range	$T_{stg}$	-40 ~ 150	$^\circ C$

Unit in mm



JEDEC	—
EIAJ	—
TOSHIBA	3-4B1A

Weight : 0.47 g

000707EAA1

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## ELECTRICAL CHARACTERISTICS (Ta=25°C)

TYPE	ZENER CHARACTERISTICS					TEMPERATURE COEFFICIENT OF ZENER VOLTAGE $\alpha_T$ (mV / °C)		FORWARD VOLTAGE		REVERSE CURRENT	
	ZENER VOLTAGE $V_Z$ (V)			ZENER IMPEDANCE $r_d$ ( $\Omega$ )	MEASUREMENT CURRENT			$V_F$ (V)	MEASUREMENT CURRENT $I_F$ (A)	$I_R$ ( $\mu$ A)	MEASUREMENT VOLTAGE $V_R$ (V)
	MIN.	TYP.	MAX.	MAX.	$I_Z$ (mA)	TYP.	MAX.	MAX.		MAX.	
2Z12	10.8	12	13.2	30	10	8	13	1.2	0.2	5	10.2
2Z13	11.7	13	14.3	30	10	9	14	1.2	0.2	5	11.1
2Z15	13.5	15	16.5	30	10	11	17	1.2	0.2	5	12.8
2Z16	14.4	16	17.6	30	10	12	19	1.2	0.2	5	13.6
*2Z16A	15.2	16	16.8	30	10	12	19	1.2	0.2	5	13.6
2Z18	16.2	18	19.8	30	10	14	23	1.2	0.2	5	15.3
*2Z18A	17.1	18	18.9	30	10	14	23	1.2	0.2	5	15.3
2Z20	18.0	20	22.0	30	10	16	26	1.2	0.2	5	17.1
2Z22	19.8	22	24.2	30	10	18	28	1.2	0.2	5	18.8
2Z24	21.6	24	26.4	30	10	20	32	1.2	0.2	5	20.5
2Z27	24.3	27	29.7	30	10	23	36	1.2	0.2	5	23.1
*2Z27A	25.7	27	28.3	30	10	23	36	1.2	0.2	5	23.1
2Z30	27.0	30	33.0	30	10	25	40	1.2	0.2	5	25.6
2Z33	29.7	33	36.3	30	10	26	41	1.2	0.2	5	28.2
2Z36	32.4	36	39.6	30	9	28	45	1.2	0.2	5	30.8
2Z43	38.7	43	47.3	40	7	33	53	1.2	0.2	5	34.4
2Z47	42.3	47	51.7	65	6	38	60	1.2	0.2	5	40.2
2Z51	45.9	51	56.1	65	6	43	68	1.2	0.2	5	43.6

Note: \* Production upon request.

