

CONSTANT VOLTAGE REGULATION APPLICATION.  
REFERENCE VOLTAGE APPLICATION.

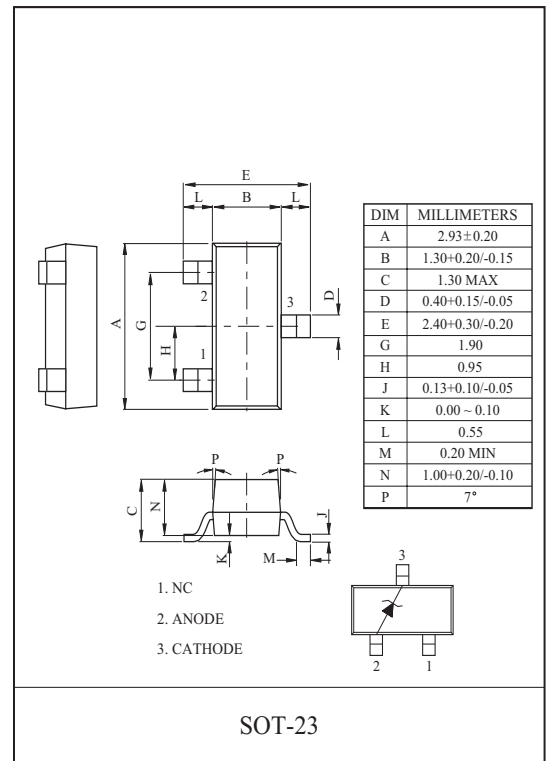
### FEATURES

- Small Package : SOT-23
- Normal Voltage Tolerance About  $\pm 2.5\%$ .
- Suffix U : Qualified to AEC-Q101.  
ex) BZX84C24-RTK/HU

### MAXIMUM RATING (Ta=25 )

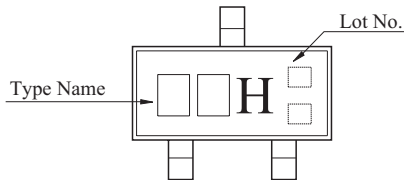
CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	$P_D^*$	300	mW
Junction Temperature	$T_j$	150	
Operating Temperature	$T_{opr}$	-55 150	
Storage Temperature Range	$T_{stg}$	-55 150	

Note  $P_D^*$  : Package Mounted on 99.5% alumina  $10 \times 8 \times 0.6$ mm.



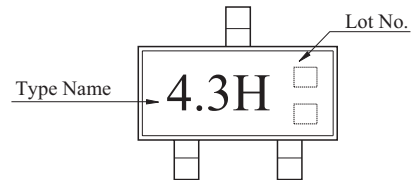
### MARKING

Example 1) 2.0V ~ 3.9V



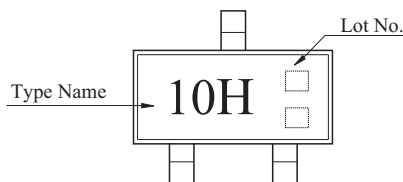
TYPE NAME : BZX84C2V0 → 2AH  
 BZX84C2V2 → 2BH  
 BZX84C2V4 → 2CH  
 BZX84C2V7 → 2DH  
 BZX84C3V0 → 30H  
 BZX84C3V3 → 33H  
 BZX84C3V6 → 36H  
 BZX84C3V9 → 39H

Example 2) 4.3V ~ 9.1V



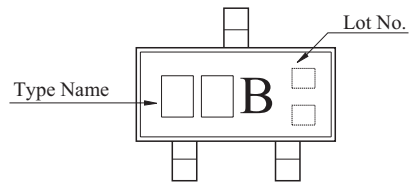
TYPE NAME : BZX84C4V3 → 4.3H

Example 3) 10V ~ 24V



TYPE NAME : BZX84C10 → 10H

Example 4) 27V ~ 36V



TYPE NAME : BZX84C27 → 27B  
 BZX84C30 → 30B  
 BZX84C33 → 33B  
 BZX84C36 → 36B

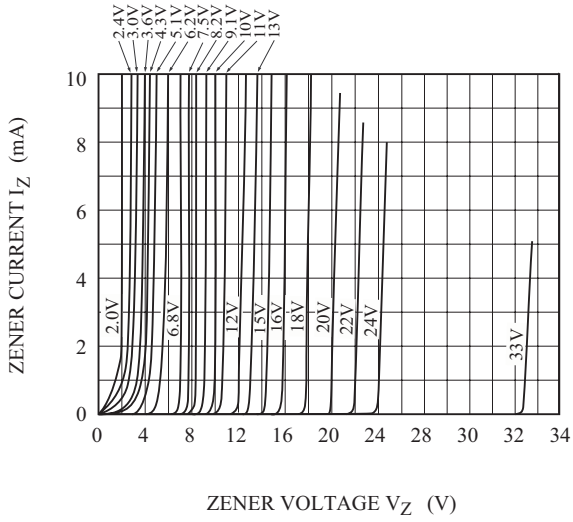
# BZX84C2V~36V

## ELECTRICAL CHARACTERISTICS (Ta=25 )

TYPE No.	Zener Voltage Vz (V)			Dynamic Impedance Zz ( )		KNEE Dynamic Impedance Zzk ( )		Reverse Current IR ( μA)	
	Min.	Max.	Iz (mA)	MAX.	Iz (mA)	MAX.	Iz (mA)	MAX.	VR(V)
BZX84C2V0	1.85	2.15	5	100	5	1000	0.5	120	1.0
BZX84C2V2	2.05	2.38	5	100	5	1000	0.5	120	1.0
BZX84C2V4	2.28	2.60	5	100	5	1000	0.5	120	1.0
BZX84C2V7	2.50	2.90	5	100	5	1000	0.5	120	1.0
BZX84C3V0	2.80	3.20	5	120	5	1000	0.5	50	1.0
BZX84C3V3	3.10	3.50	5	130	5	1000	0.5	20	1.0
BZX84C3V6	3.40	3.80	5	130	5	1000	0.5	10	1.0
BZX84C3V9	3.70	4.10	5	130	5	1000	0.5	10	1.0
BZX84C4V3	4.13	4.35	5	130	5	1000	0.5	5	1.0
BZX84C4V7	4.53	4.76	5	120	5	1000	0.5	5	1.0
BZX84C5V1	4.97	5.24	5	70	5	1000	0.5	1.	1.5
BZX84C5V6	5.43	5.81	5	40	5	900	0.5	1	2.5
BZX84C6V2	6.00	6.39	5	30	5	500	0.5	1	3.0
BZX84C6V8	6.60	7.02	5	25	5	150	0.5	0.5	5.0
BZX84C7V5	7.23	7.66	5	23	5	120	0.5	0.5	6.0
BZX84C8V2	7.96	8.43	5	20	5	120	0.5	0.5	6.5
BZX84C9V1	8.80	9.30	5	18	5	120	0.5	0.5	7.0
BZX84C10	9.73	10.26	5	15	5	120	0.5	0.5	8.0
BZX84C11	10.73	11.26	5	15	5	120	0.5	0.5	8.5
BZX84C12	11.73	12.26	5	15	5	110	0.5	0.5	9.0
BZX84C13	12.88	13.57	5	15	5	110.	0.5	0.5	10
BZX84C15	14.33	15.11	5	15	5	110.	0.5	0.5	11
BZX84C16	15.80	16.60	5	18	5	150	0.5	0.5	12
BZX84C18	17.46	18.43	5	20	5	150	0.5	0.5	14
BZX84C20	19.48	20.46	5	25	5	200	0.5	0.5	15
BZX84C22	21.48	22.56	5	30	5	200	0.5	0.5	17
BZX84C24	23.61	24.92	5	40	5	200	0.5	0.5	19
BZX84C27	26.19	27.53	2	150	2	150	0.5	0.1	21
BZX84C30	29.19	30.69	2	200	2	200	0.5	0.1	23
BZX84C33	32.15	33.79	2	250	2	250	0.5	0.1	25
BZX84C36	35.07	36.87	2	300	2	300	0.5	0.1	27

# BZX84C2V~36V

$I_Z - V_Z$



$P_d - T_a$

