

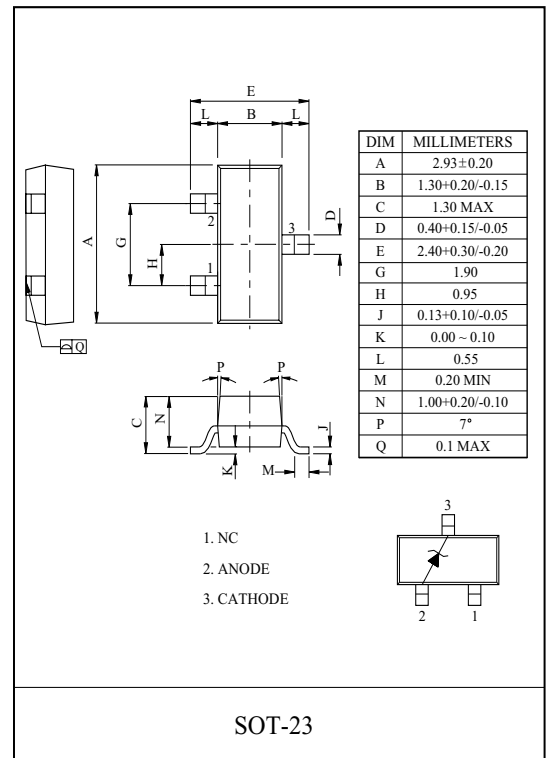
CONSTANT VOLTAGE REGULATION APPLICATION.  
REFERENCE VOLTAGE APPLICATION.

### FEATURES

- Small Package : SOT-23
- Normal Voltage Tolerance About  $\pm 2.5\%$ .

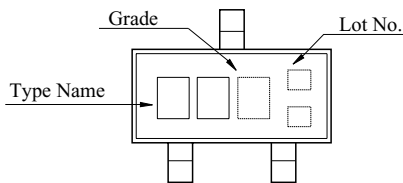
### MAXIMUM RATING (Ta=25 )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	$P_D$	200	mW
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	



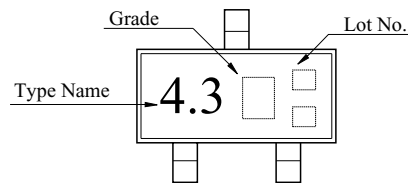
### Marking

#### Example 1) 2.0V ~ 3.9V



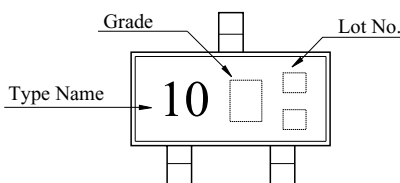
TYPE NAME : Z02W2.2V → 2B  
 Z02W2.4V → 2C  
 Z02W2.7V → 2D  
 Z02W3.0V → 30  
 Z02W3.3V → 33  
 Z02W3.6V → 36

#### Example 2) 4.3V ~ 9.1V



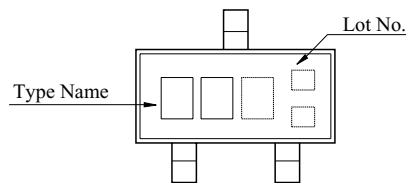
Example : Z02W4.3V

#### Example 3) 10V ~ 24V



Example : Z02W10V

#### Example 4) 30V ~ 36V



TYPE NAME : Z02W30V → 30A  
 Z02W33V → 33A  
 Z02W36V → 36A

# Z02W2.2V~36V

## ELECTRICAL CHARACTERISTICS (Ta=25 )

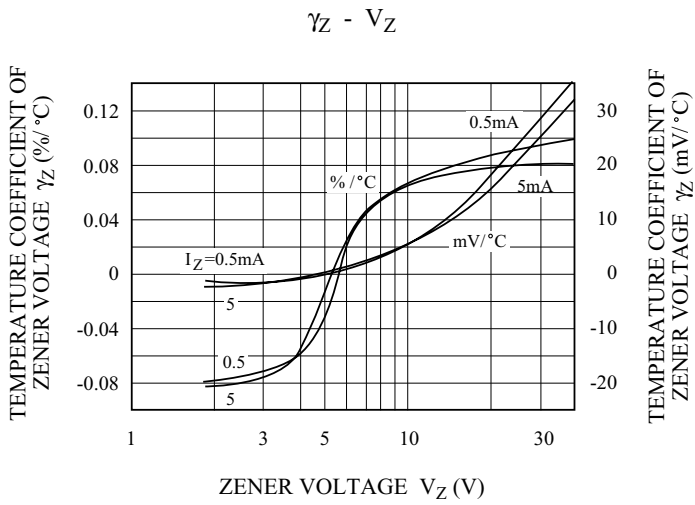
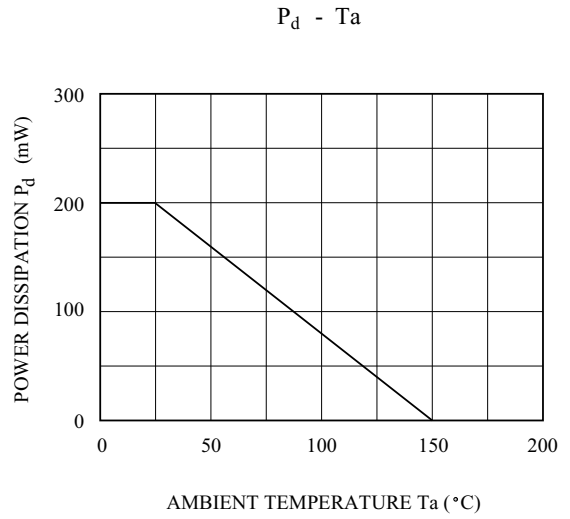
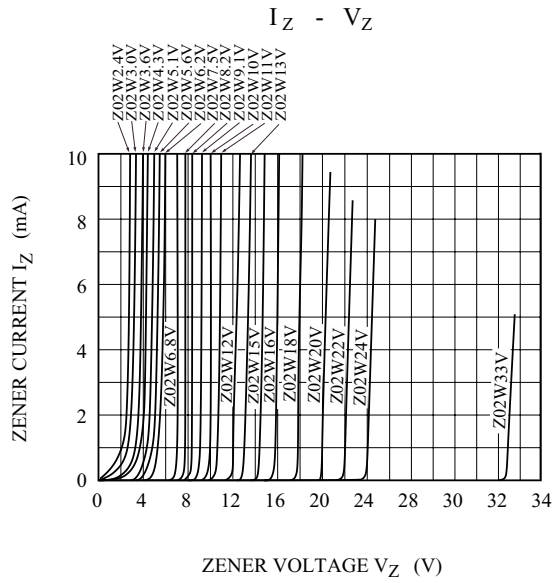
TYPE No.	Grade	Zener Voltage Vz (V)			Dynamic Impedance Zz ( )		KNEE Dynamic Impedance Zzk ( )		Reverse Current IR ( μA)	
		Min.	Max.	Iz (mA)	MAX.	Iz (mA)	MAX.	Iz (mA)	MAX.	VR(V)
Z02W2.2V	-	2.05	2.38	5	100	5	1000	0.5	120	1.0
	X	2.05	2.26							
	Z	2.16	2.38							
Z02W2.4V	-	2.28	2.60	5	100	5	1000	0.5	120	1.0
	X	2.28	2.50							
	Z	2.40	2.60							
Z02W2.7V	-	2.50	2.90	5	110	5	1000	0.5	120	1.0
	X	2.50	2.75							
	Z	2.65	2.90							
Z02W3.0V	-	2.80	3.20	5	120	5	1000	0.5	50	1.0
	X	2.80	3.05							
	Z	2.95	3.20							
Z02W3.3V	-	3.10	3.50	5	130	5	1000	0.5	20	1.0
	X	3.10	3.35							
	Z	3.25	3.50							
Z02W3.6V	-	3.40	3.80	5	130	5	1000	0.5	10	1.0
	X	3.40	3.65							
	Z	3.55	3.80							
Z02W4.3V	-	4.00	4.50	5	130	5	1000	0.5	5	1.0
	Y	4.13	4.35							
Z02W5.1V	-	4.80	5.40	5	70	5	1000	0.5	1	1.5
	Y	4.97	5.24							
Z02W5.6V	-	5.30	6.00	5	40	5	900	0.5	1	2.5
	Y	5.43	5.81							
Z02W6.2V	-	5.80	6.60	5	30	5	500	0.5	1	3.0
	Y	6.00	6.39							
Z02W6.8V	-	6.40	7.20	5	25	5	150	0.5	0.5	5.0
	Y	6.60	7.02							

# Z02W2.2V~36V

## 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)
Z02W7.5V	-	7.00	7.90	5	23	5	120	0.5	0.5	6.0
	Y	7.23	7.66							
Z02W8.2V	-	7.70	8.70	5	20	5	120	0.5	0.5	6.5
	Y	7.96	8.43							
Z02W9.1V	-	8.50	9.60	5	18	5	120	0.5	0.5	7.0
	Y	8.80	9.30							
Z02W10V	-	9.40	10.60	5	15	5	120	0.5	0.5	8.0
	Y	9.73	10.26							
Z02W11V	-	10.40	11.60	5	15	5	120	0.5	0.5	8.5
	Y	10.73	11.26							
Z02W12V	-	11.40	12.60	5	15	5	110	0.5	0.5	9.0
	Y	11.73	12.26							
Z02W13V	-	12.40	14.10	5	15	5	110	0.5	0.5	10
	Y	12.88	13.57							
Z02W15V	-	13.80	15.60	5	15	5	110	0.5	0.5	11
	Y	14.33	15.11							
Z02W16V	-	15.30	17.10	5	18	5	150	0.5	0.5	12
	Y	15.80	16.60							
Z02W18V	-	16.80	19.10	5	20	5	150	0.5	0.5	14
	Y	17.46	18.43							
Z02W20V	-	18.80	21.20	5	25	5	200	0.5	0.5	15
	Y	19.48	20.46							
Z02W22V	-	20.80	23.30	5	30	5	200	0.5	0.5	17
	Y	21.48	22.56							
Z02W24V	-	22.80	25.60	5	40	5	200	0.5	0.5	19
	Y	23.61	24.92							
Z02W30V	-	29.19	30.69	2	200	2	200	0.5	0.1	23
Z02W33V	-	32.15	33.79		250		250			25
Z02W36V	-	35.07	36.87		300		300			27

# Z02W2.2V~36V



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