

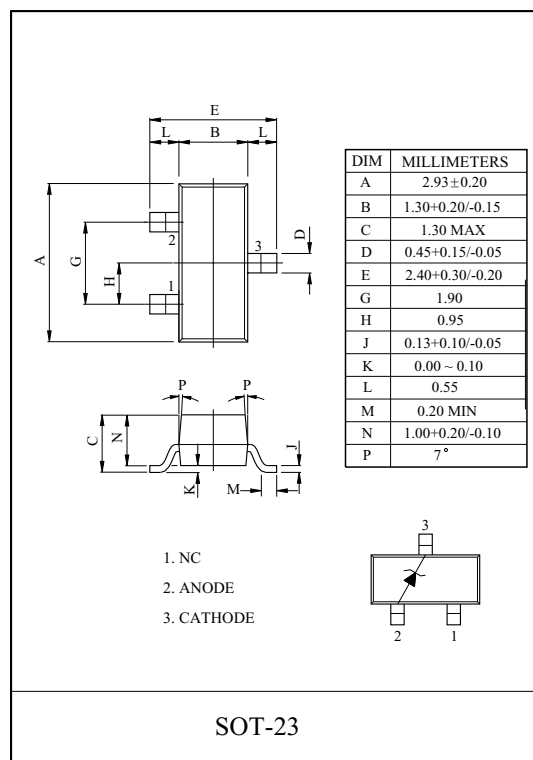
CONSTANT VOLTAGE REGULATION APPLICATION.
REFERENCE VOLTAGE APPLICATION.

FEATURES

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

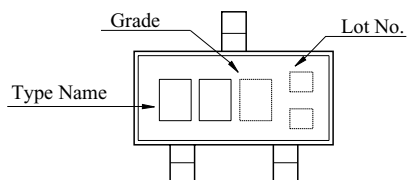
MAXIMUM RATING (Ta=25℃)

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



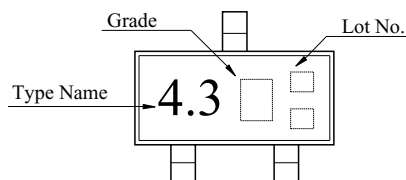
Marking

Example 1) 2.0V ~ 3.9V



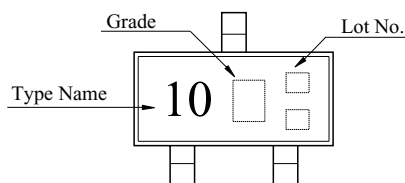
TYPE NAME : Z02W2.0V → 2A
 Z02W2.2V → 2B
 Z02W2.4V → 2C
 Z02W2.7V → 2D
 Z02W3.0V → 30
 Z02W3.3V → 33
 Z02W3.6V → 36
 Z02W3.9V → 39

Example 2) 4.3V ~ 9.1V



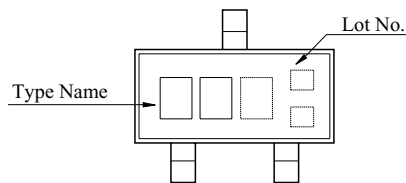
Example : Z02W4.3V

Example 3) 10V ~ 24V



Example : Z02W10V

Example 4) 27V ~ 36V



TYPE NAME : Z02W27V → 27A
 Z02W30V → 30A
 Z02W33V → 33A
 Z02W36V → 36A

Z02W2.0V~36V

ELECTRICAL CHARACTERISTICS (Ta=25 °C)

TYPE No.	Grade	Zener Voltage Vz (V)			Dynamic Impedance Zz (Ω)		KNEE Dynamic Impedance Zzk (Ω)		Reverse Current I _R (μA)	
		Min.	Max.	Iz (mA)	MAX.	Iz (mA)	MAX.	Iz (mA)	MAX.	V _R (V)
Z02W2.0V	-	1.85	2.15	5	100	5	1000	0.5	120	1.0
	X	1.85	2.05							
	Z	1.95	2.15							
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							
Z02W3.9V	-	3.70	4.10	5	130	5	1000	0.5	10	1.0
	X	3.70	3.97							
	Z	3.87	4.10							
Z02W4.3V	-	4.00	4.50	5	130	5	1000	0.5	5	1.0
	X	4.00	4.23							
	Y	4.13	4.35							
	Z	4.25	4.50							
Z02W4.7V	-	4.40	4.90	5	120	5	1000	0.5	5	1.0
	X	4.40	4.63							
	Y	4.53	4.76							
	Z	4.66	4.90							
Z02W5.1V	-	4.80	5.40	5	70	5	1000	0.5	1	1.5
	X	4.80	5.07							
	Y	4.97	5.24							
	Z	5.14	5.40							

Z02W2.0V~36V

ELECTRICAL CHARACTERISTICS (Ta=25 °C)

TYPE No.	Grade	Zener Voltage Vz (V)			Dynamic Impedance Zz (Ω)		KNEE Dynamic Impedance Zzk (Ω)		Reverse Current I _R (μA)	
		Min.	Max.	Iz (mA)	MAX.	Iz (mA)	MAX.	Iz (mA)	MAX.	V _R (V)
Z02W5.6V	-	5.30	6.00	5	40	5	900	0.5	1	2.5
	X	5.30	5.63							
	Y	5.43	5.81							
	Z	5.61	6.00							
Z02W6.2V	-	5.80	6.60	5	30	5	500	0.5	1	3.0
	X	5.80	6.20							
	Y	6.00	6.39							
	Z	6.19	6.60							
Z02W6.8V	-	6.40	7.20	5	25	5	150	0.5	0.5	5.0
	X	6.40	6.80							
	Y	6.60	7.02							
	Z	6.82	7.20							
Z02W7.5V	-	7.00	7.90	5	23	5	120	0.5	0.5	6.0
	X	7.00	7.43							
	Y	7.23	7.66							
	Z	7.46	7.90							
Z02W8.2V	-	7.70	8.70	5	20	5	120	0.5	0.5	6.5
	X	7.70	8.16							
	Y	7.96	8.43							
	Z	8.23	8.70							
Z02W9.1V	-	8.50	9.60	5	18	5	120	0.5	0.5	7.0
	X	8.50	9.00							
	Y	8.80	9.30							
	Z	9.10	9.60							
Z02W10V	-	9.40	10.60	5	15	5	120	0.5	0.5	8.0
	X	9.40	9.93							
	Y	9.73	10.26							
	Z	10.06	10.60							
Z02W11V	-	10.40	11.60	5	15	5	120	0.5	0.5	8.5
	X	10.40	10.98							
	Y	10.73	11.26							
	Z	11.06	11.60							
Z02W12V	-	11.40	12.60	5	15	5	110	0.5	0.5	9.0
	X	11.40	11.93							
	Y	11.73	12.26							
	Z	12.06	12.60							

Z02W2.0V~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)
Z02W13V	-	12.40	14.10	5	15	5	110	0.5	0.5	10
	X	12.40	13.08							
	Y	12.88	13.57							
	Z	13.37	14.10							
Z02W15V	-	13.80	15.60	5	15	5	110	0.5	0.5	11
	X	13.80	14.63							
	Y	14.33	15.11							
	Z	14.81	15.60							
Z02W16V	-	15.30	17.10	5	18	5	150	0.5	0.5	12
	X	15.30	16.10							
	Y	15.80	16.60							
	Z	16.30	17.10							
Z02W18V	-	16.80	19.10	5	20	5	150	0.5	0.5	14
	X	16.80	17.76							
	Y	17.46	18.43							
	Z	18.13	19.10							
Z02W20V	-	18.80	21.20	5	25	5	200	0.5	0.5	15
	X	18.80	19.78							
	Y	19.48	20.46							
	Z	20.16	21.20							
Z02W22V	-	20.80	23.30	5	30	5	200	0.5	0.5	17
	X	20.80	21.88							
	Y	21.48	22.56							
	Z	22.16	23.30							
Z02W24V	-	22.80	25.60	5	40	5	200	0.5	0.5	19
	X	22.80	24.11							
	Y	23.61	24.92							
	Z	24.42	25.60							
Z02W27V	-	26.19	27.53	2	150	2	150	0.5	0.1	21
Z02W30V	-	29.19	30.69		200		200			23
Z02W33V	-	32.15	33.79		250		250			25
Z02W36V	-	35.07	36.87		300		300			27

Z02W2.0V~36V

