

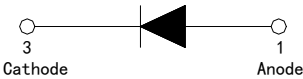
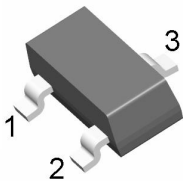
Zener Diode 稳压二极管

XCZ02W2.0V~02W39V

DESCRIPTION & FEATURES 概述及特点

Wide working voltage range: 2.0 to 39V 宽电压范围
General regulation functions. 普通电压调整应用

SOT-23



PIN ASSIGNMENT 引脚说明

PIN NAME 管脚符号	PIN NUMBER 引脚序号	FUNCTION 功能
	SOT-23	
A	1	Anode
NC	2	—
C	3	Cathode

MAXIMUM RATINGS(T_a=25℃) 最大额定值

CHARACTERISTIC 特性参数	Symbol 符号	Rating 额定值	Unit 单位
Peak Forward Current 正向峰值电流	I _F	200	mAdc
Total Device Dissipation T _A =25℃ 总耗散功率 氧化铝衬底	P _D	225	mW
Junction and Storage Temperature结温和储存温度	T _J , T _{stg}	150, -55~150	℃

广东协铖微电子科技有限公司

Zener Diode 稳压二极管

XCZ02W2.0V~02W39V

ELECTRICAL CHARACTERISTICS 电特性

(T_A=25℃ unless otherwise noted 如无特殊说明, 温度为 25℃)

型号 TYPE	Marking	Zener Voltage V _Z (V) I _Z =5mA		Z _{ZT} I _Z =5mA Ω Max	Z _{ZK} I _Z =0.5mA Ω Max	Max I _R	@ μA	V _R V
		Min	Max					
XCZ02W2.0V	E1	1.85	2.15	100	1000	120		1
XCZ02W2.2V	E2	2.05	2.38	100	1000	120		1
XCZ02W2.4V	E3	2.28	2.6	100	1000	120		1
XCZ02W2.7V	E4	2.5	2.9	110	1000	120		1
XCZ02W3.0V	E5	2.8	3.2	120	1000	50		1
XCZ02W3.3V	E6	3.1	3.5	130	1000	20		1
XCZ02W3.6V	E7	3.4	3.8	130	1000	10		1
XCZ02W3.9V	E8	3.7	4.1	130	1000	10		1
XCZ02W4.3V	E9	4	4.5	130	1000	5		1
XCZ02W4.7V	E0	4.4	4.9	120	1000	5		1
XCZ02W5.1V	F1	4.8	5.4	70	1000	1		1.5
XCZ02W5.6V	F2	5.3	6	40	900	1		2.5
XCZ02W6.2V	F3	5.8	6.6	30	500	1		3
XCZ02W6.8V	F4	6.4	7.2	25	150	0.5		5
XCZ02W7.5V	F5	7	7.9	23	120	0.5		6
XCZ02W8.2V	F6	7.7	8.7	20	120	0.5		6.5
XCZ02W9.1V	F7	8.5	9.6	18	120	0.5		7
XCZ02W10V	F8	9.4	10.6	15	120	0.5		8
XCZ02W11V	F9	10.4	11.6	15	120	0.5		8.5
XCZ02W12V	F0	11.4	12.6	15	110	0.5		9
XCZ02W13V	H1	12.4	14.1	15	110	0.5		10
XCZ02W15V	H2	13.8	15.6	15	110	0.5		11
XCZ02W16V	H3	15.3	17.1	18	150	0.5		12
XCZ02W18V	H4	16.8	19.1	20	150	0.5		14
XCZ02W20V	H5	18.8	21.2	25	200	0.5		15
XCZ02W22V	H6	20.8	23.3	30	200	0.5		17
XCZ02W24V	H7	22.8	25.6	40	200	0.5		19
XCZ02W27V	H8	25.65	28.35	70	600	0.1		21
XCZ02W28V	H9	26.6	29.4	70	600	0.1		21
XCZ02W30V	H0	28.5	31.5	78	600	0.1		23
XCZ02W33V	J1	31.35	34.65	88	700	0.1		25
XCZ02W36V	J2	34.2	37.8	95	700	0.1		27
XCZ02W39V	J3	37.05	40.95	130	800	0.1		30