

SOD523 封装 Schottky diode

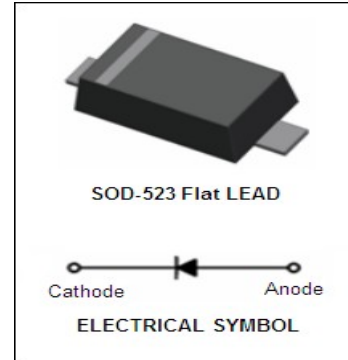
ESD5ZS

**FEATURES**

- IEC61000-4-2 Level 4 ESD Protection
- Protects one directional I/O line
- Low clamping voltage
- Working voltages : 2.5V,3.3V, 5V,6V,7V,12V,15V
- Low leakage current

**APPLICATIONS**

- Cell Phone Handsets and Accessories
- Microprocessor based equipment
- Personal Digital Assistants (PDA's)
- Notebooks, Desktops, and Servers
- Portable Instrumentation
- Peripherals
- Pagers



**ABSOLUTE MAXIMUM RATING**

Symbol	Parameter	Value	Units
V <sub>ESD</sub>	ESD per IEC 61000-4-2 (Air)	±30	kV
	ESD per IEC 61000-4-2 (Contact)	±22	
ESD	ESD Voltage per human body model	16	kV
	ESD Voltage per machine model	400	V
P <sub>D</sub>	Total Power Dissipation on FR-5 Board (Note 1) @ Ta=25°C	150	mW
T <sub>J</sub> , T <sub>STG</sub>	Junction and Storage Temperature	-55/+150	°C
T <sub>L</sub>	Lead Solder Temperature – Maximum (10 Second Duration)	260	°C

**ELECTRICAL CHARACTERISTICS**

PART NUMBER	DEVICE MARKING	V <sub>RWM</sub>	I <sub>R</sub>	V <sub>B</sub>	I <sub>T</sub>	V <sub>C</sub>		V <sub>C</sub>		P <sub>PK</sub>	C <sub>J</sub>
		(V)	(μA)	(V)	(mA)	(V)	(V)	(V)	(V)	(W)	(pF)
		Max	Max	Min		Max	@A	Max	@A	Max	Max
ESD5Z2V5	ZD + code	2.5	6.0	4.0	1	9.0	5.0	11.5	9.0	104	145
ESD5Z3V3	ZE + code	3.3	0.90	5.0	1	10.0	5.0	14.0	7.5	105	105
ESD5Z5V0	ZF + code	5.0	0.08	6.2	1	11.6	5.0	15.0	7.0	105	80
ESD5Z6V0	ZG + code	6.0	0.05	6.8	1	13.5	5.0	17.5	6.0	105	70
ESD5Z7V0	ZH + code	7.0	0.03	7.5	1	14.0	5.0	18.0	6.0	108	65
ESD5Z12V	ZM + code	12.0	0.03	14.1	1	20.0	1.0	26.0	4.0	104	45
ESD5Z15V	ZN + code	15.0	0.50	16.0	1	23.0	1.0	30.0	4.0	120	28