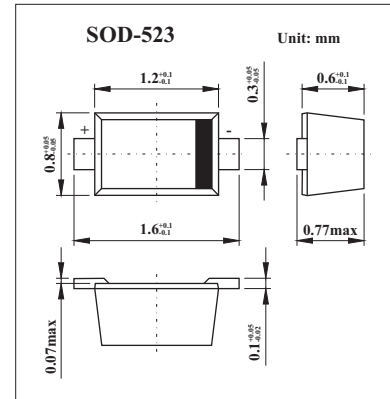
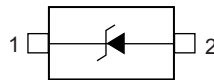


ESD5Z2.5

■ Features

- Peak Power up to 200 Watts @ 8 x 20 μ s Pulse
- Low Leakage
- Response Time is Typically < 1 ns
- ESD Rating of Class 3 (> 16 kV) per Human Body Model



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
ESD Voltage	Per Human Body Model	16	KV
	Per Machine Model	400	V
Electrostatic discharge	IEC61000-4-2 Air discharge	30	KV
	IEC61000-4-2 Contact Air discharge	30	
Electrostatic discharge	IEC61000-4-4	40	A
Total Power Dissipation on FR-5 Board*1, @ TA = 25°C	PD	100	mW
Junction Temperature Range	TL	260(10s)	°C
Lead Solder Temperature -Maximum	TJ	150	°C
Storage Temperature Range	Tstg	-55 to +150	°C

*1 FR-5 = 1.0 X 0.75 X 0.62 in.

■ Electrical Characteristics (Ta = 25°C unless otherwise noted, Vf = 0.9 V Max. @ If = 10 mA for all types)

Device	VRWM(V)	IR(μ A) @ VRWM	VBR(V)@ IT*2	IT	Vc(V)*1 @IPP=5.0A	Vc(V)*1 @Max IPP	IPP(A) *1	PPK(W)*1	C(pF)
	Max	Max	Min	mA	Typ	Max	Max	Max	Typ
ESD5Z2.5	2.5	6.0	4.0	1.0	6.5	10.9	11.0	120	145

* 1. Surge current waveform per Fig.1

2. VBR is measured with a pulse test current IT at an ambient temperature of 25°C.

■ Marking

Marking	ZD
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■ Typical Characteristics

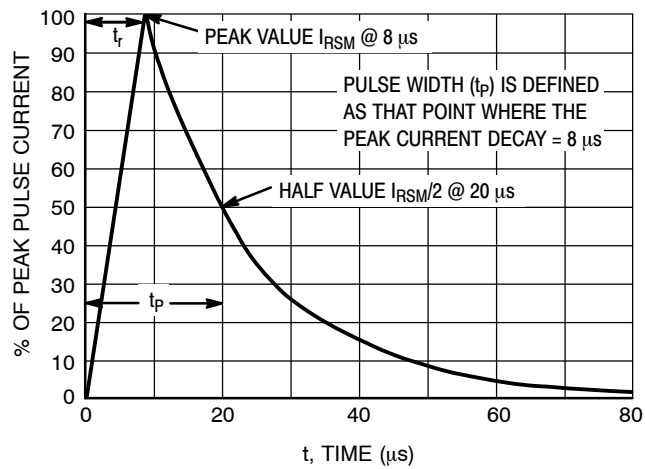
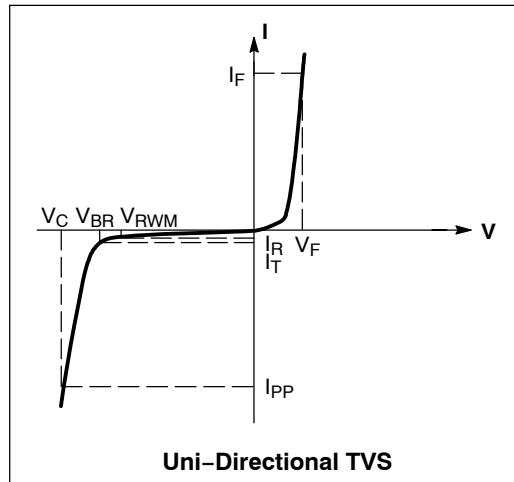


Figure 1. 8 x 20 μ s Pulse Waveform