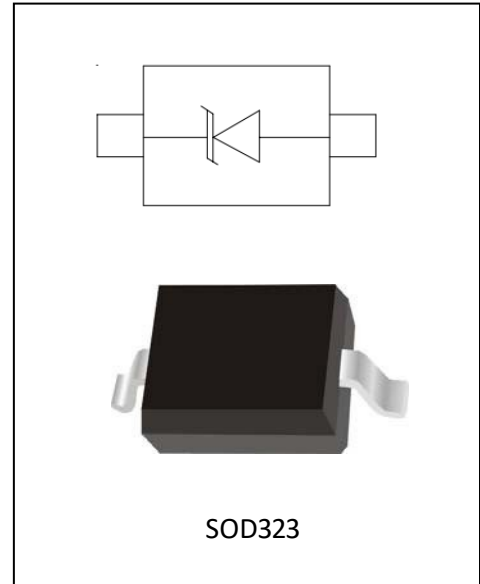




SD24W

Features

- ◆ 400 Watts peak pulse power ($t_p = 8/20\mu s$)
- ◆ Transient protection for high speed data lines to
IEC 61000-4-2 (ESD) $\pm 15kV$ (air), $\pm 8kV$ (contact)
IEC 61000-4-4 (EFT) 40A(5/50ns)
- ◆ Protects One Power or I/O Port
- ◆ Low leakage current
- ◆ Low operating and clamping voltages
- ◆ Solid-state silicon avalanche technology



Applications

- ◆ Cell Phone Handsets and Accessories
- ◆ Microprocessor based equipment
- ◆ Portable Instrumentation
- ◆ Personal Digital Assistant (PDA)

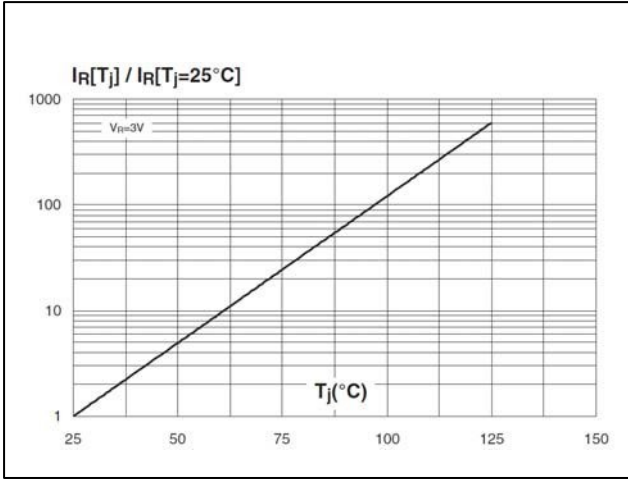
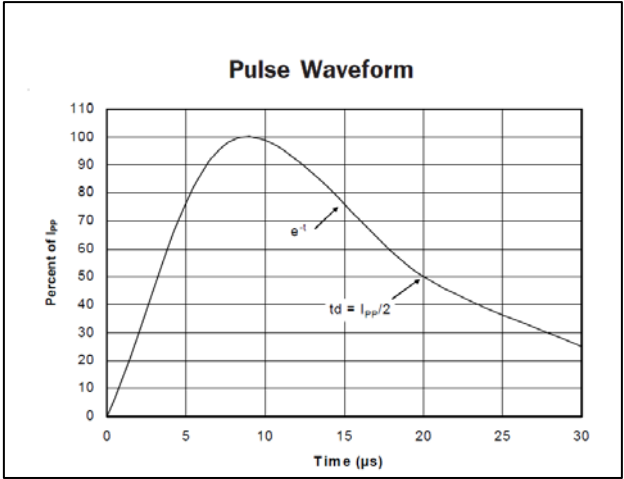
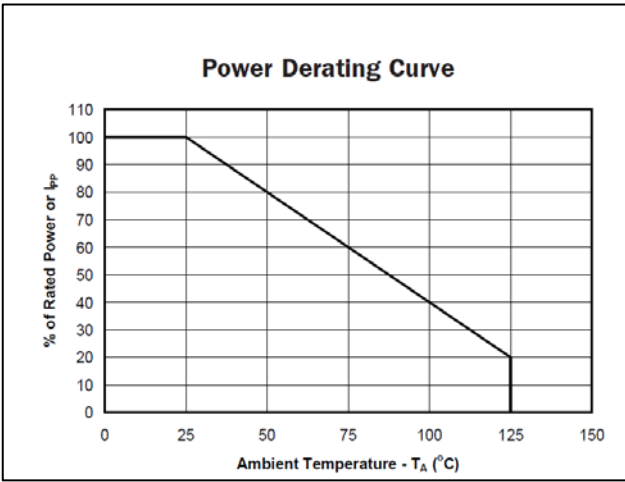
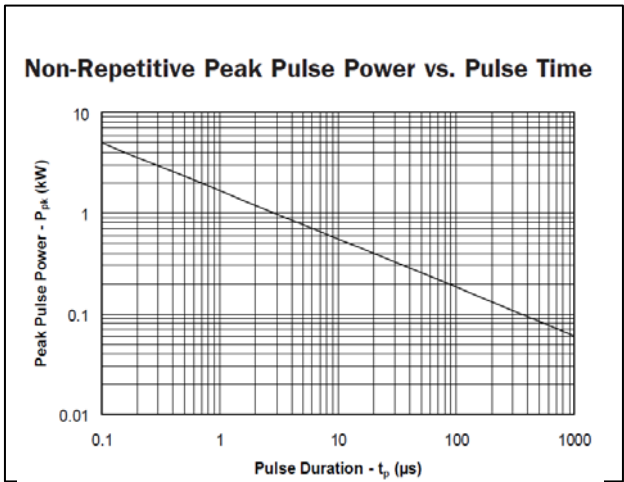
Maximum Rating @ $T_a = 25^\circ C$ unless otherwise specified

Symbol	Parameter	Ratings	Units
P_{PK}	Peak Pulse Power ($t_p = 8/20\mu s$)	400	Watts
T_L	Lead Soldering Temperature	260(10sec.)	$^\circ C$
T_J	Operating Temperature	-55 to +125	$^\circ C$
T_{STG}	Storage Temperature	-55 to +150	$^\circ C$

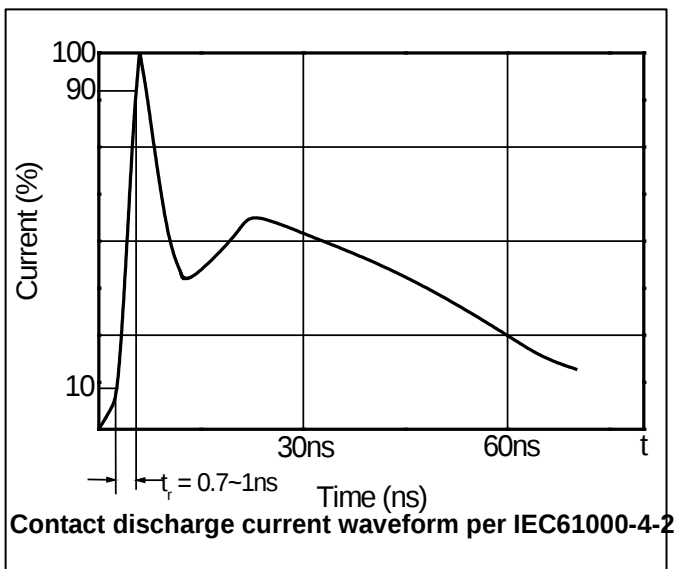
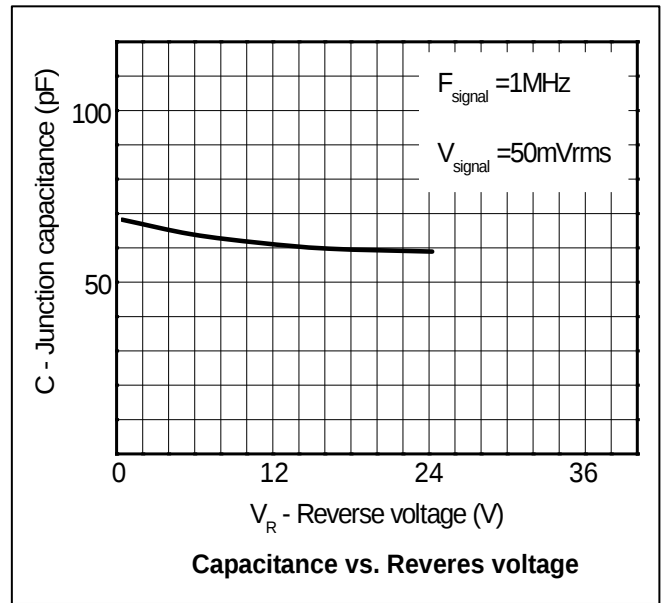
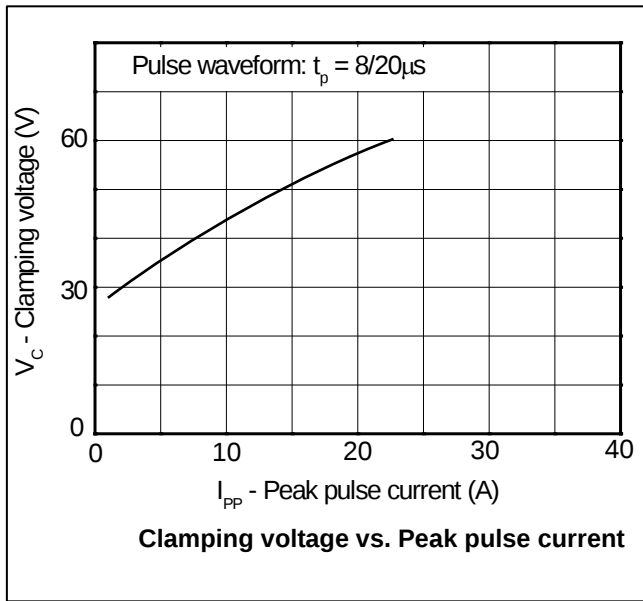
Electrical Characteristics@ Ta=25℃ unless otherwise

Parameter	VRWM @IR		VBR@ImA	VC@1A	VC@IPP		CJ
	V	μA	V	V	V	A	pF
		MAX	MIN	MAX	MAX		MAX
SD24W	24	1	26.7	36.8	45	8	70

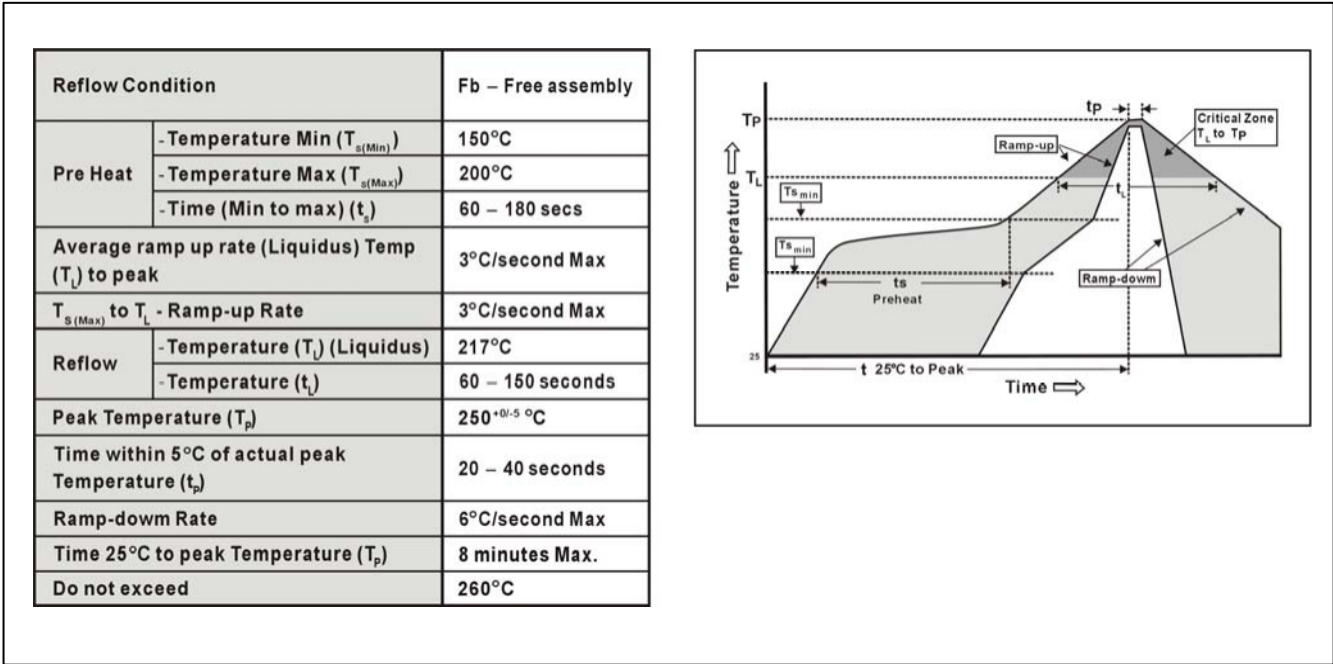
Typical Characteristics@ Ta=25℃ unless otherwise specified



Typical Characteristics@ Ta=25°C unless otherwise specified



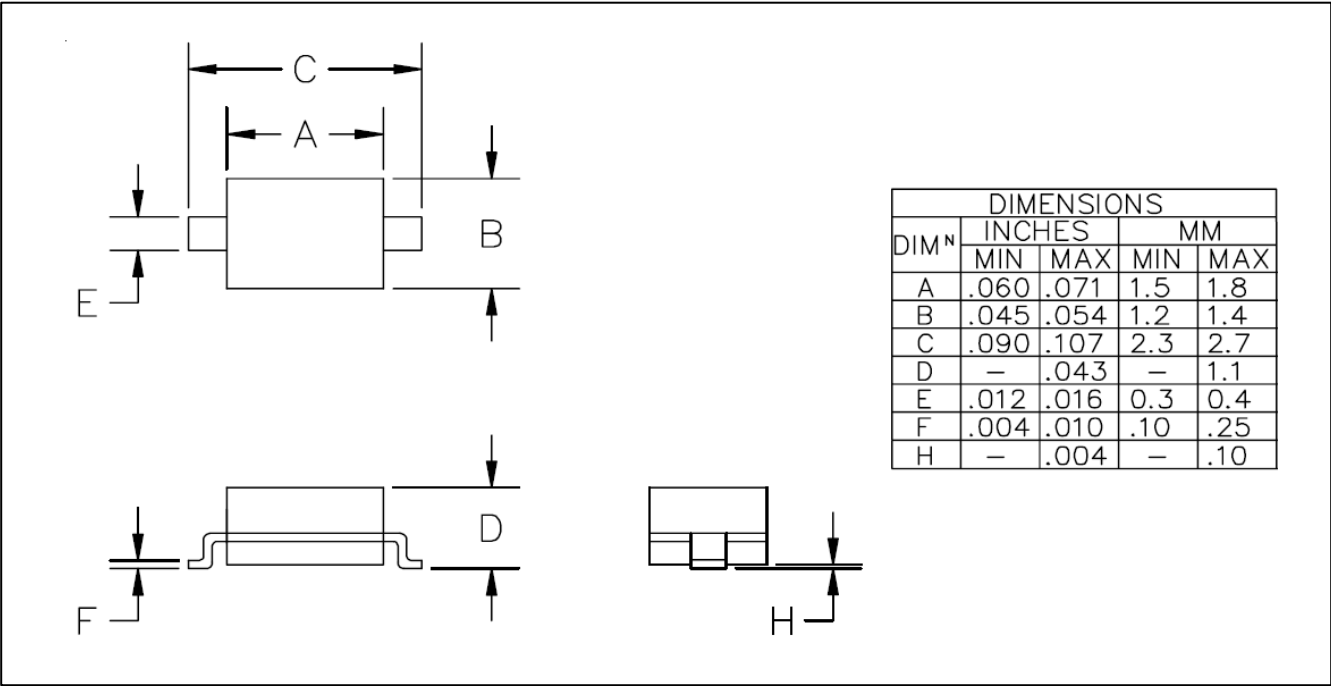
Soldering Parameters



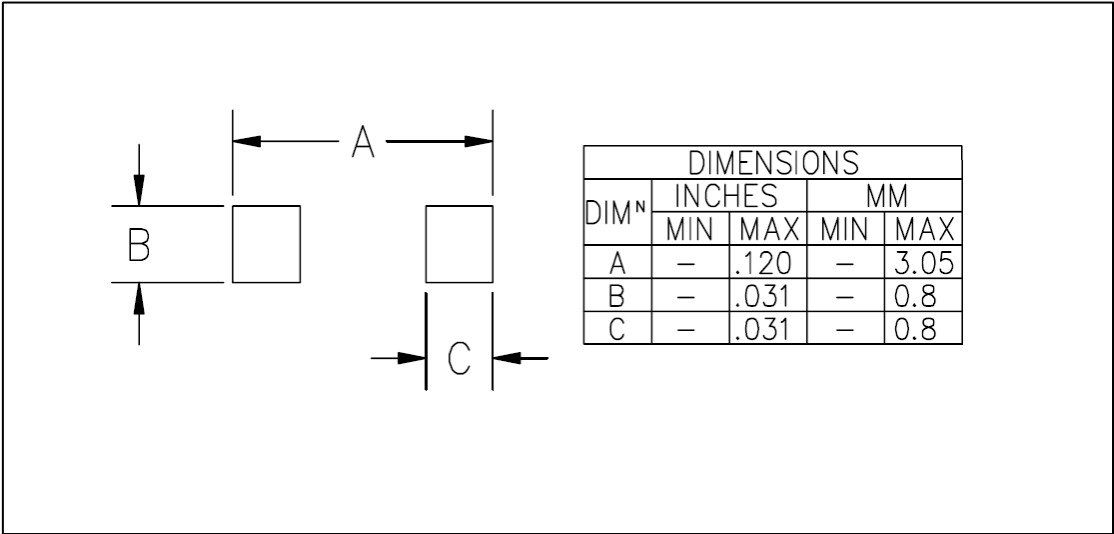
Package Outline

Plastic surface mounted package

SOD323



Soldering Footprint



Package And Marking Information

Device	Package	Shipping	Reel Size
SD24W	SOD323	3000/Reel	7 inch