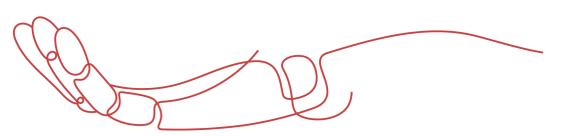


PRODUCT DATA SHEET



To learn more about JGSEMI, please visit our website at







Datasheet F

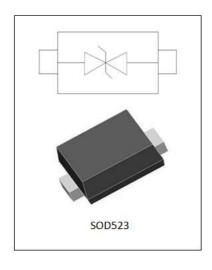
s Samples

Please note: Please check the JINGAO Semiconductor website to verify the updated device numbers. The most current and up-to-date ordering information can be found at www.jg-semi.cn. Please email any questions regarding the system integration to JINGAO_questions@jgsemi.com.

TVS Diode

Features

- ◆ 50 Watts peak pulse power (tp = 8/20µs)
- ◆ Transient protection for high speed data lines to IEC 61000-4-2 (ESD) ±15kV (air), ±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 @ Ta=25℃ unless otherwise specified

Symbol	Parameter	Ratings	Units
Ррк	Peak Pulse Power (tp = 8/20μs)	50	Watts
TL	Lead Soldering Temperature	260(10sec.)	$^{\circ}$ C
TJ	Operating Temperature	-55 to +125	$^{\circ}$ C
Тѕтс	Storage Temperature	-55 to +150	$^{\circ}$ C

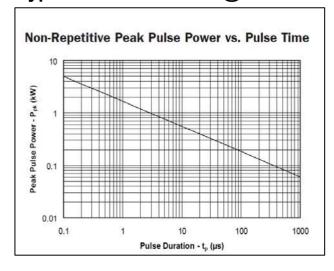


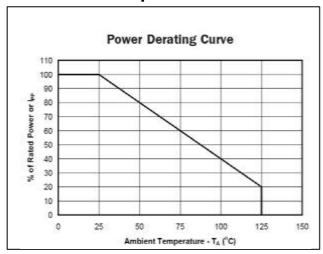
Electrical Characteristics@ Ta=25℃ unless otherwise

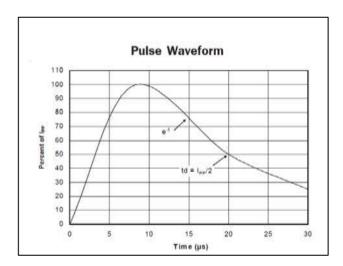
	VRWM @IR		VBR@ImA	Vc@1A	VC@IPP		Cl
Parameter	V	μA	V	V	V	Α	pF
		MAX	MIN	MAX	MAX		TYP
TEVC1R0V05B1X	5	1	6	15	25	2	3

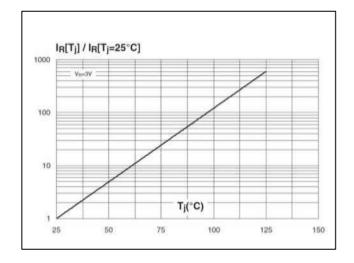


Typical Characteristics@ Ta=25℃ unless otherwise specified



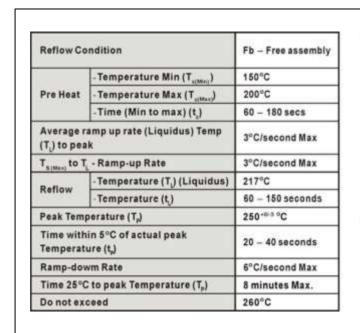


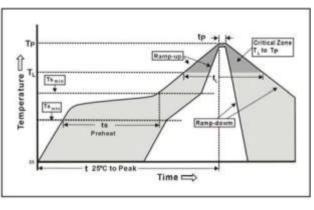






Soldering Parameters

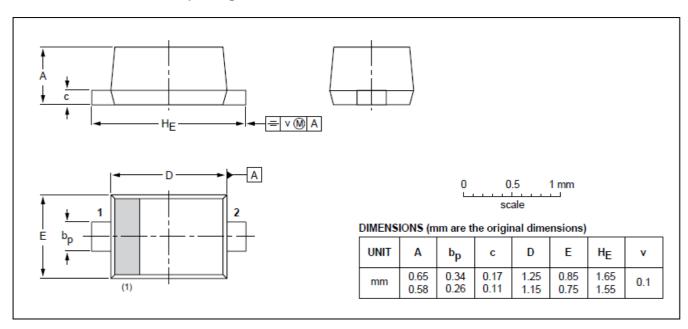




Package Outline

Plastic surface mounted package

SOD523





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