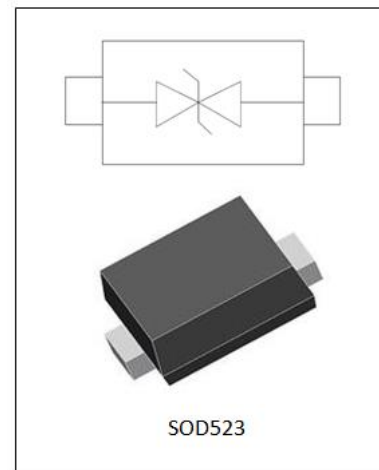


Features

- 150 Watts peak pulse power ($t_p = 8/20\mu s$)
- Transient protection for high speed data lines to
IEC 61000-4-2 (ESD) >17kV (air), >12kV (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)



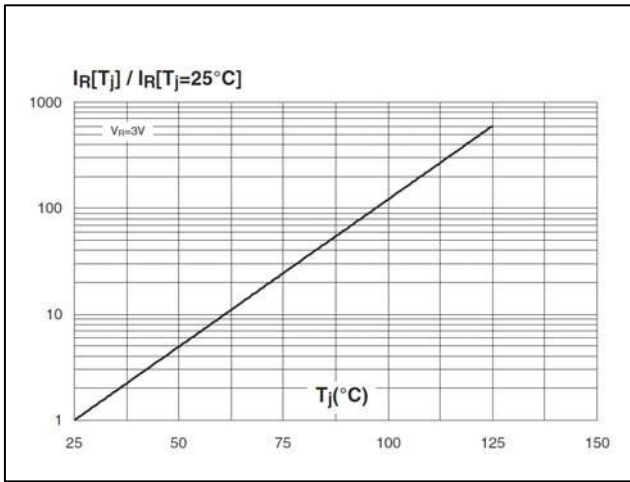
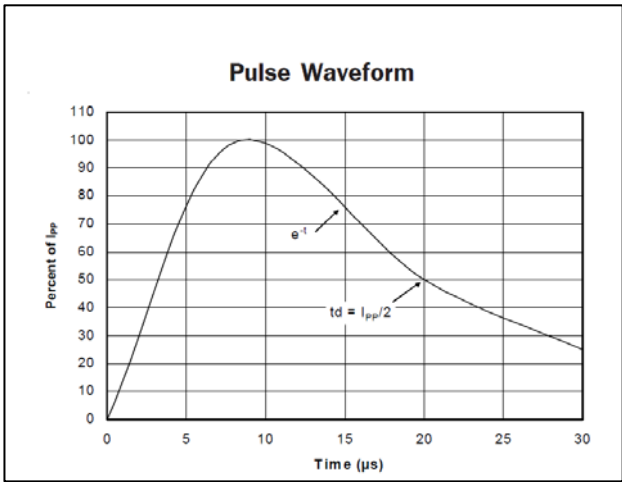
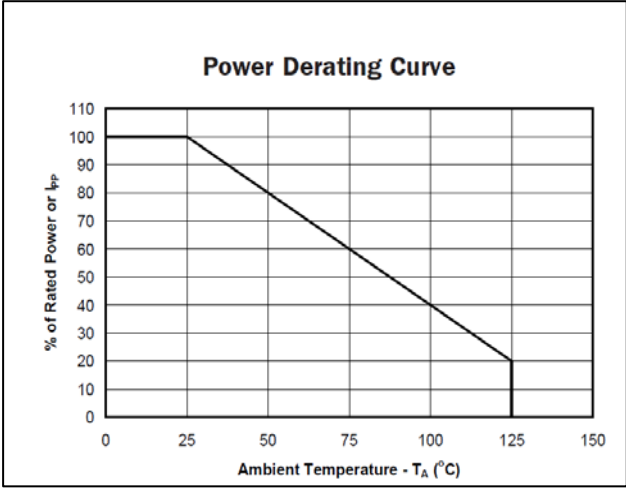
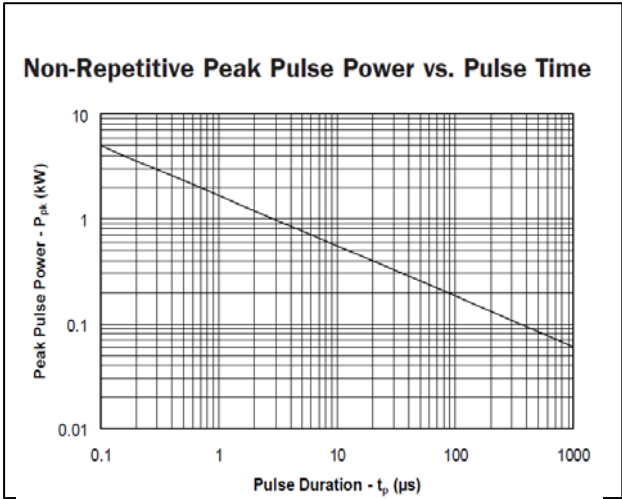
Maximum Rating @ $T_a=25^\circ C$ unless otherwise specified

Symbol	Parameter	Ratings	Units
P_{PK}	Peak Pulse Power ($t_p = 8/20\mu s$)	120	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 @ $T_a=25^\circ C$ unless otherwise

Parameter	Marking	$V_{RWM} @ I_R$		$V_{BR@1mA}$	$V_C@1A$	$V_C@I_{PP}$		C_J
		V	μA	V	V	V	A	pF
			MAX	MIN	MAX	MAX		MAX
ESD5Z24C	ROC or 24C	24	1	26.1	38	45	3	15

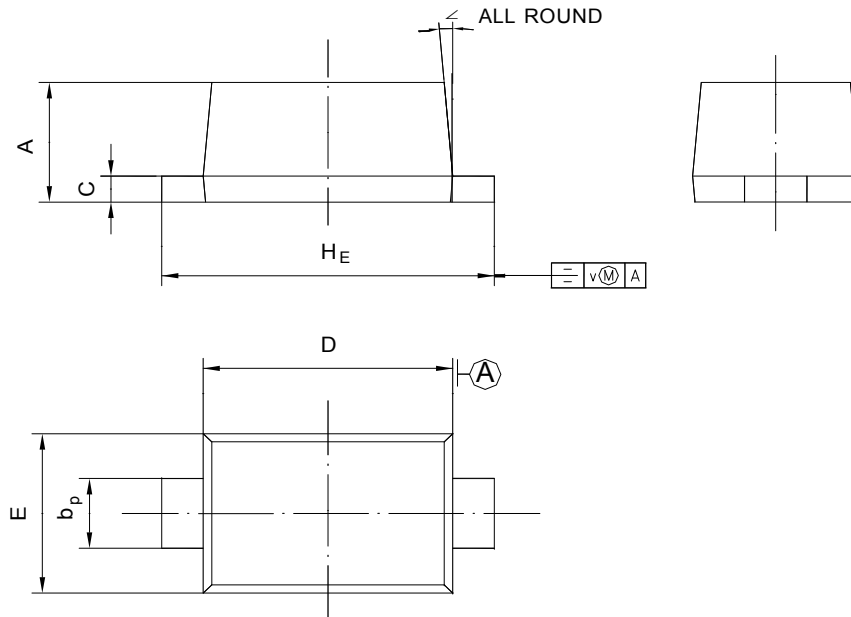
Typical Characteristics @ Ta=25°C unless otherwise specified



PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-523



UNIT	A	b _p	C	D	E	H _E	V	∠
mm	0.90 0.51	0.35 0.25	0.20 0.08	1.25 1.15	0.90 0.70	1.7 1.5	0.1	7°