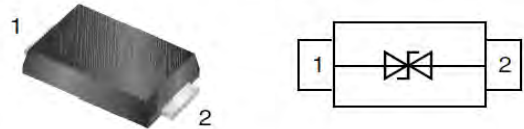


### Features

- 6000Watts peak pulse power (8/20μs)
- SOD-123FL package
- Bidirectional configurations
- Low clamping voltage
- Low leakage current
- Medium capacitance (Cj=300pF typ.)
- Protection one data/power line to:
  - IEC 61000-4-2 ±30kV contact ±30kV air
  - IEC 61000-4-4 (EFT) 80A (5/50ns)
  - IEC 61000-4-5 (Lightning) 200A (8/20μs)



### Mechanical Data

- **Case:** SOD-123FL (plastic package).  
Lead free; RoHS compliant; Halogen free
- **Molding Compound Flammability Rating:**  
UL 94 V-0
- **Terminals:** High temperature soldering guaranteed:  
260 °C/10 sec. at terminals

### Applications

- Computers and peripherals
- Communication systems
- Cellular handsets and accessories
- Portable electronics

### Absolute Maximum Ratings

Ratings at 25 °C, ambient temperature unless otherwise specified

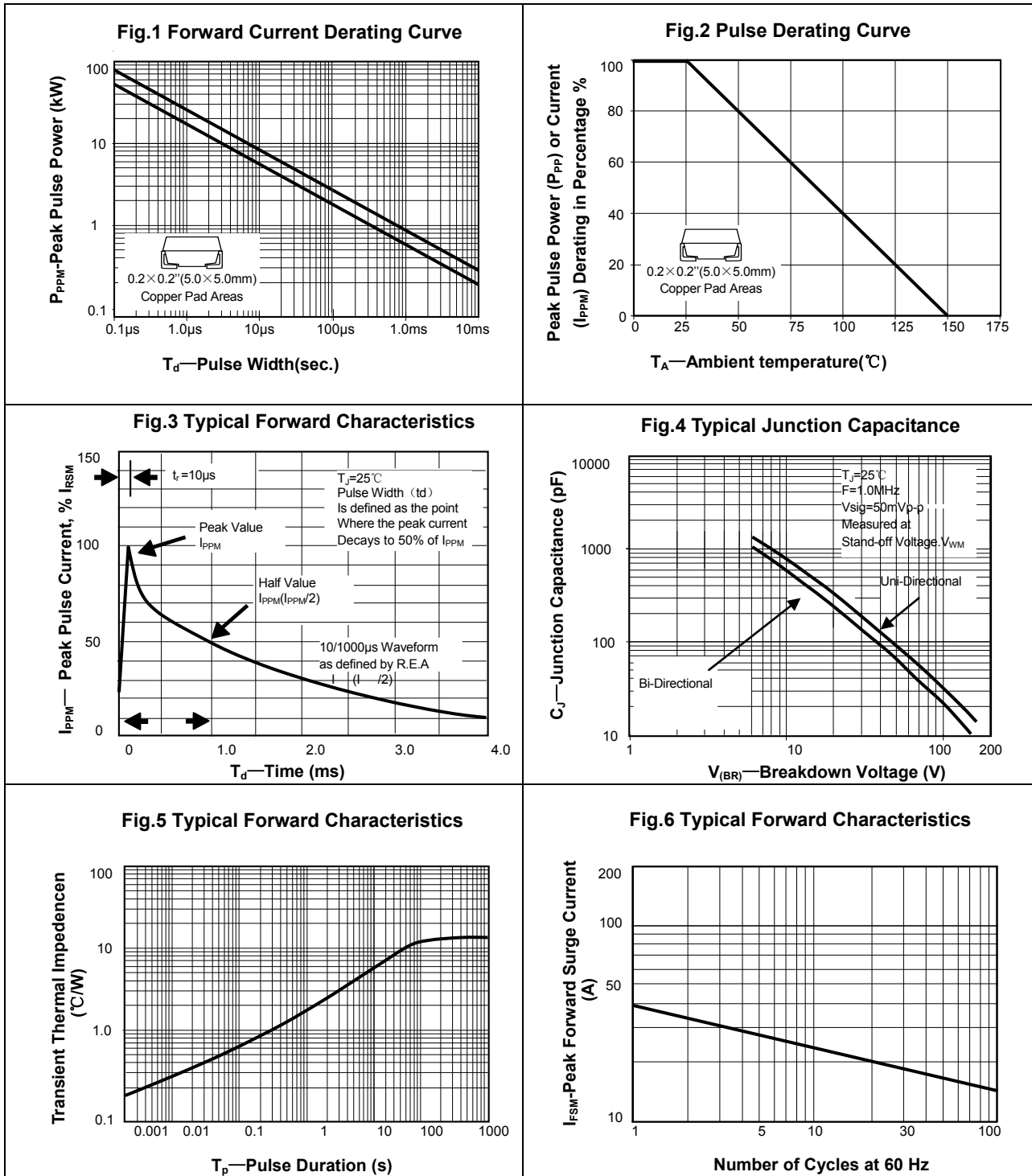
Parameter	Symbol	Value	Unit
Peak Pulse Power (8/20μS)	P <sub>PP</sub>	6000	W
ESD contact/air discharge (IEC-61000-4-2)	V <sub>ESD</sub>	30/30	kV
Peak Pulse Current (8/20μS)	I <sub>PP</sub>	200	A
Junction Temperature	T <sub>J</sub>	-55 to +150	°C
Storage temperature	T <sub>STG</sub>	-55 to +150	°C

### Electrical Characteristics

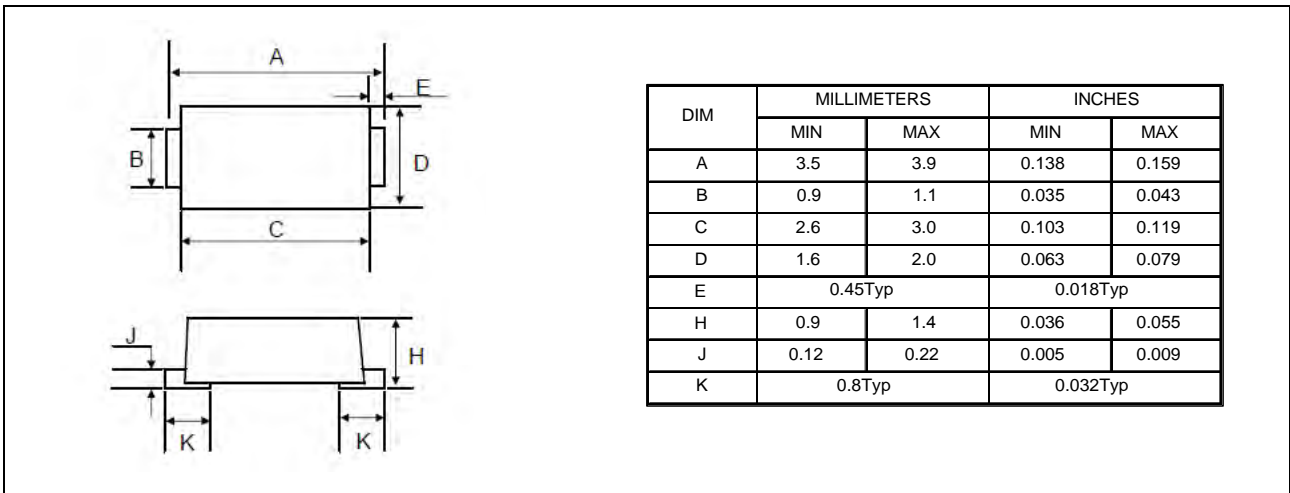
(T<sub>A</sub> = 25 °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	V <sub>RWM</sub>		-26.6		+26.6	V
Reverse Breakdown Voltage	V <sub>BR</sub>	I <sub>T</sub> =1mA		27.5		V
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> =24V			1	uA
Clamping Voltage	V <sub>C</sub>	I <sub>PP</sub> =150A			32.5	V
Junction Capacitance	C <sub>J</sub>	V <sub>R</sub> =0V, f=1MHz		300		pF

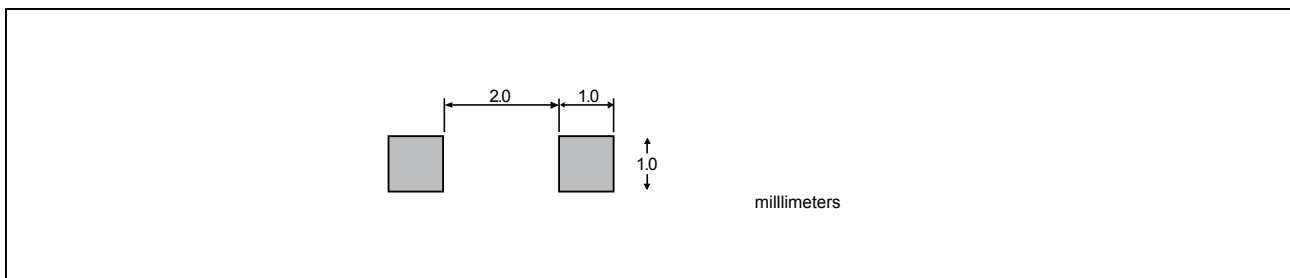
Typical Characteristics ( $T_{amb} = 25\text{ }^{\circ}\text{C}$  unless otherwise specified)



### Package Dimensions



### Pad Dimensions



### Marking



### Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification
YEDSF1224200G	SOD-123FL	Tape and reel	3000pcs / reel	EIA STD RS-481