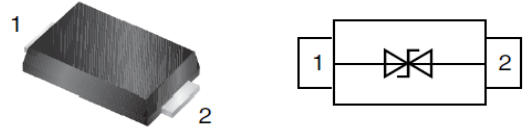


TVS Diode in DO-219AB

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:** DO-219AB (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

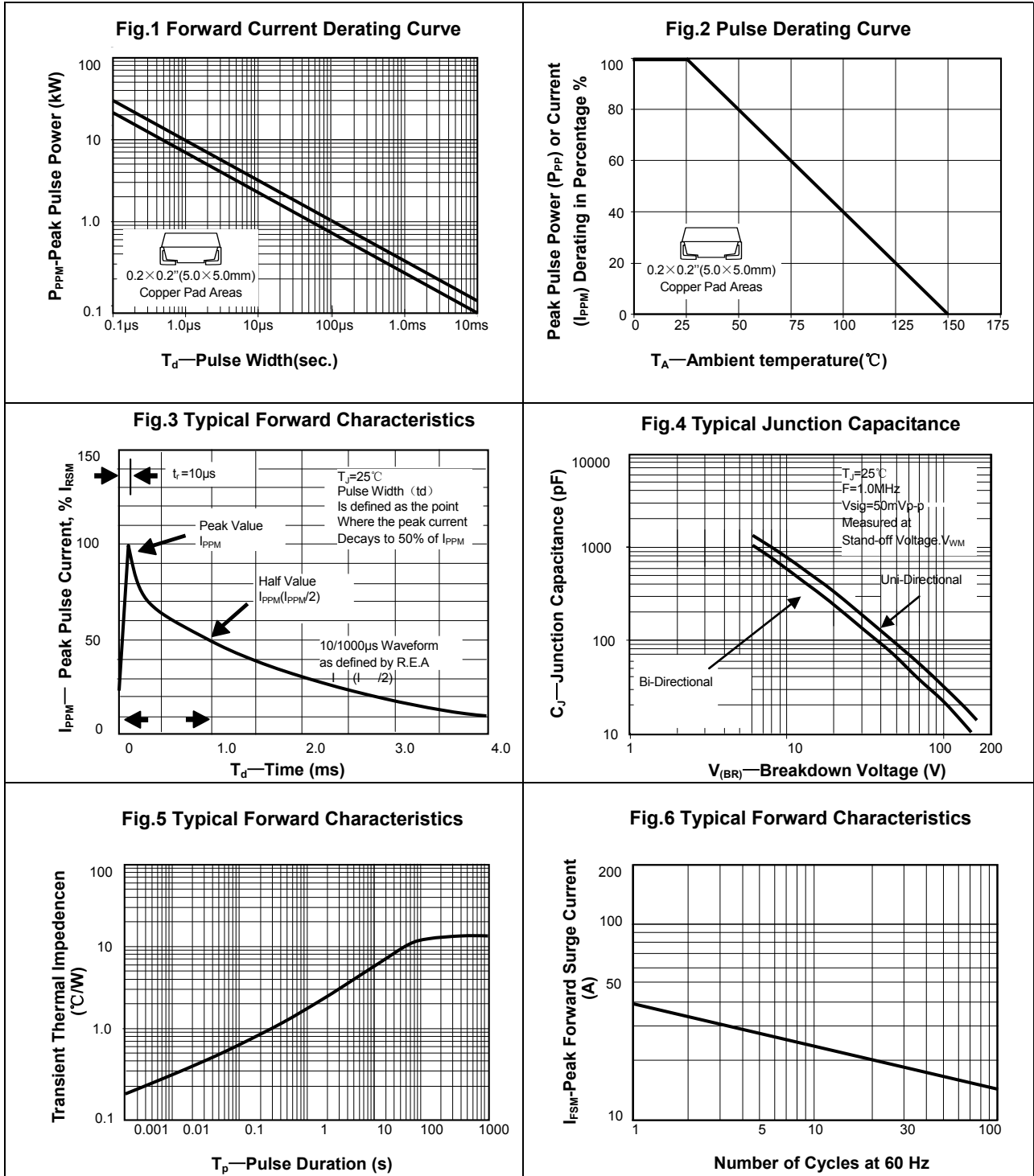
Parameter	Symbol	Value	Unit
Peak Pulse Power (8/20μS)	P _{PP}	6000	W
ESD contact/air discharge (IEC-61000-4-2)	V _{ESD}	30/30	kV
Peak Pulse Current (8/20μS)	I _{PP}	200	A
Junction Temperature	T _J	-55 to +150	°C
Storage temperature	T _{STG}	-55 to +150	°C

Electrical Characteristics

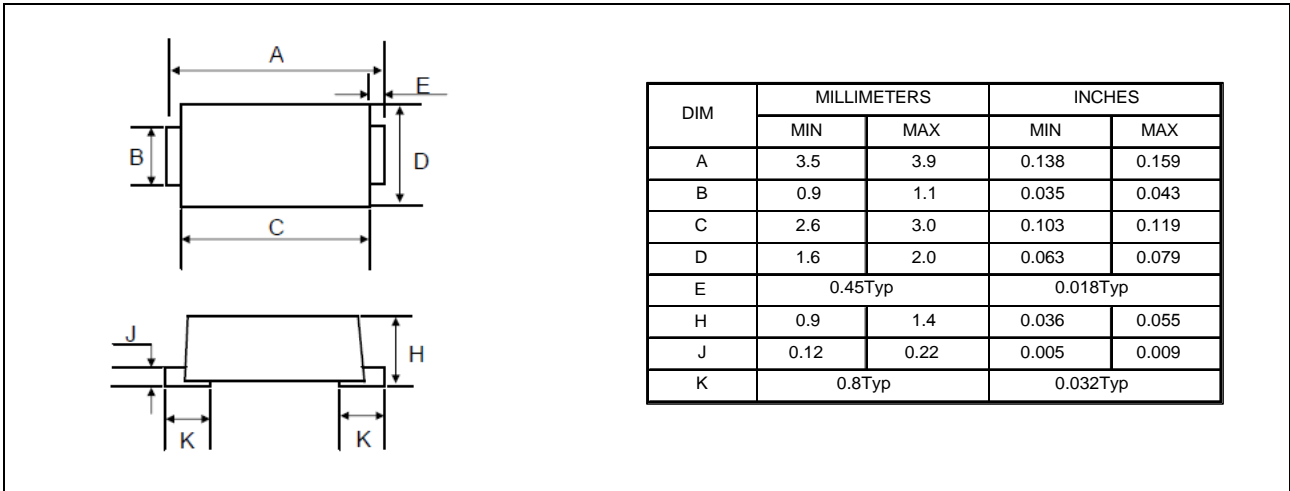
(T_A = 25 °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	V _{RWM}		-26.6		+26.6	V
Reverse Breakdown Voltage	V _{BR}	I _T =1mA		27.5		V
Reverse Leakage Current	I _R	V _R =24V			1	uA
Clamping Voltage	V _C	I _{PP} =150A			32.5	V
Junction Capacitance	C _J	V _R =0V, f=1MHz		300		pF

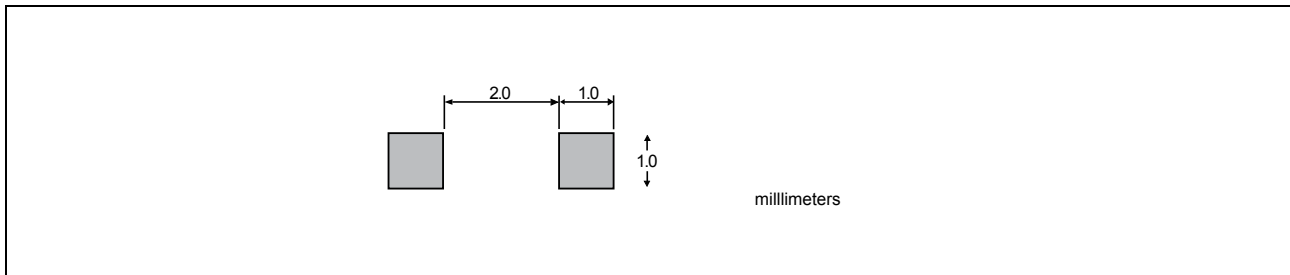
Typical Characteristics ($T_{amb} = 25\text{ }^{\circ}\text{C}$ unless otherwise specified)



Package Dimensions



Pad Dimensions



Marking



Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification
TTVS6K24BPR	DO-219AB	Tape and reel	3000pcs / reel	EIA STD RS-481