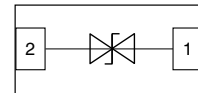
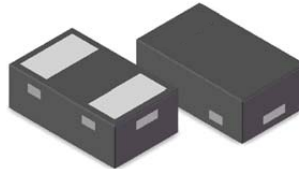


**9G8`DfchYW]cb`8]cXY`]b`DFN1006**

**: YUi fYg**

- 350Watts peak pulse power (tp = 8/20us)
- DFN1006 package
- Bidirectional configurations
- Solid-state silicon-avalanche technology
- Low clamping voltage
- Low leakage current
- Medium capacitance (CJ=45pF typ.)
- Protection one data/power line to:
  - IEC 61000-4-2 ±20kV contact ±20kV
  - air IEC 61000-4-4 (EFT) 40A (5/50ns)
  - IEC 61000-4-5 (Lightning) 19A (8/20µs)



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**Applications**

- Audio Line, Speaker, Headset, Microphone Protection
- Human Interface Devices (Keyboard, Touchpad, Buttons)

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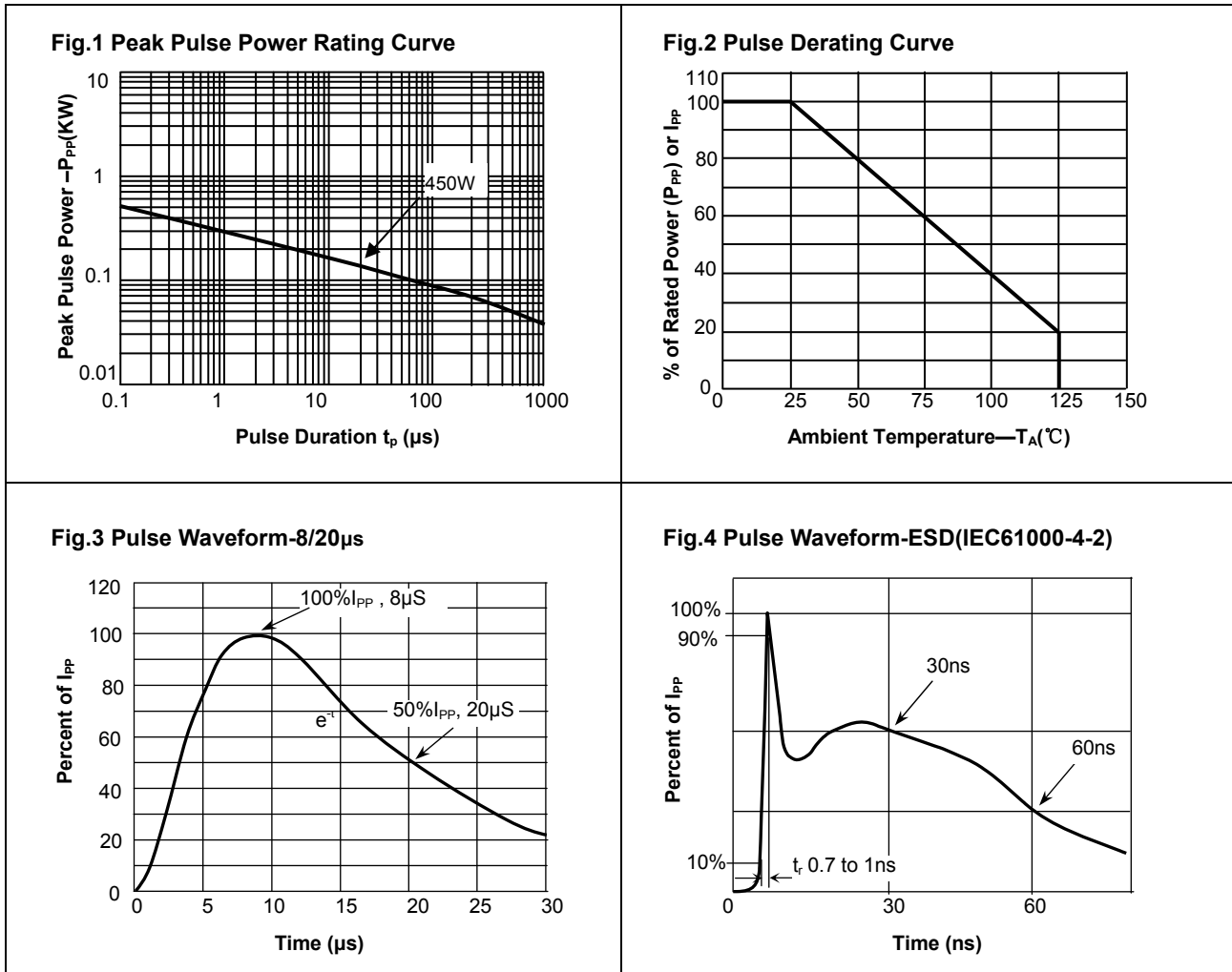
Parameter	Symbol	Value	Unit
Peak Pulse Power (TP=8/20µS)	PP	350	W
ESD contact/air discharge (IEC-61000-4-2)	VESD	20/20	kV
Peak Pulse Current ( tp = 8/20µS )	IPP	19	A
Junction Temperature	TJ	-55 to +125	°C
Storage temperature	TSTG	-55 to +150	°C

**Electrical Characteristics**

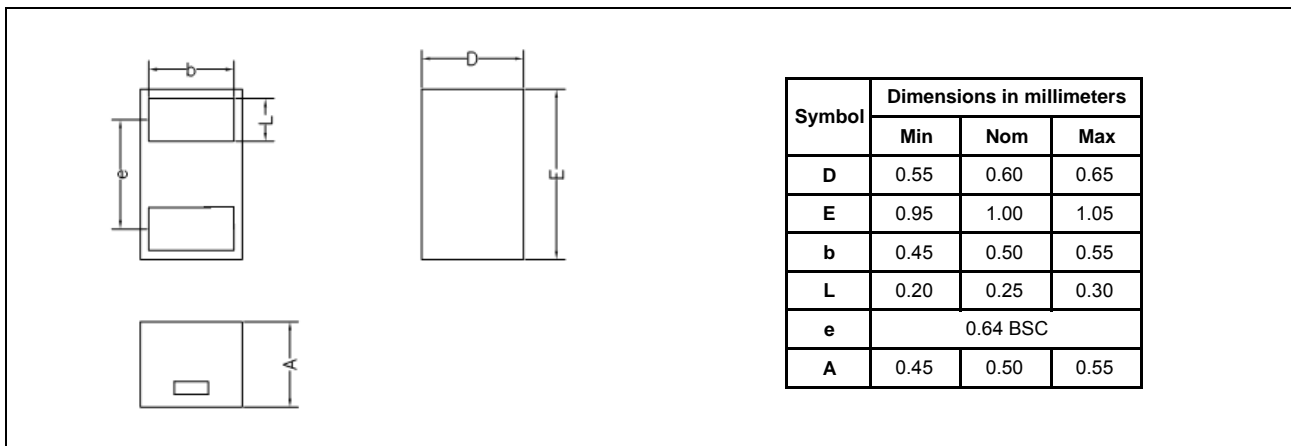
(TA = 25 °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	VRWM				8.0	V
Reverse Breakdown Voltage	VBR	IT=1mA	9.0			V
Reverse Leakage Current	IR	VR=8V		0.1	0.5	uA
Clamping Voltage (IEC 61000-4-5)	VC	IPP=19A			19	V
Junction Capacitance	CJ	VR=0V, f=1MHz		45		pF

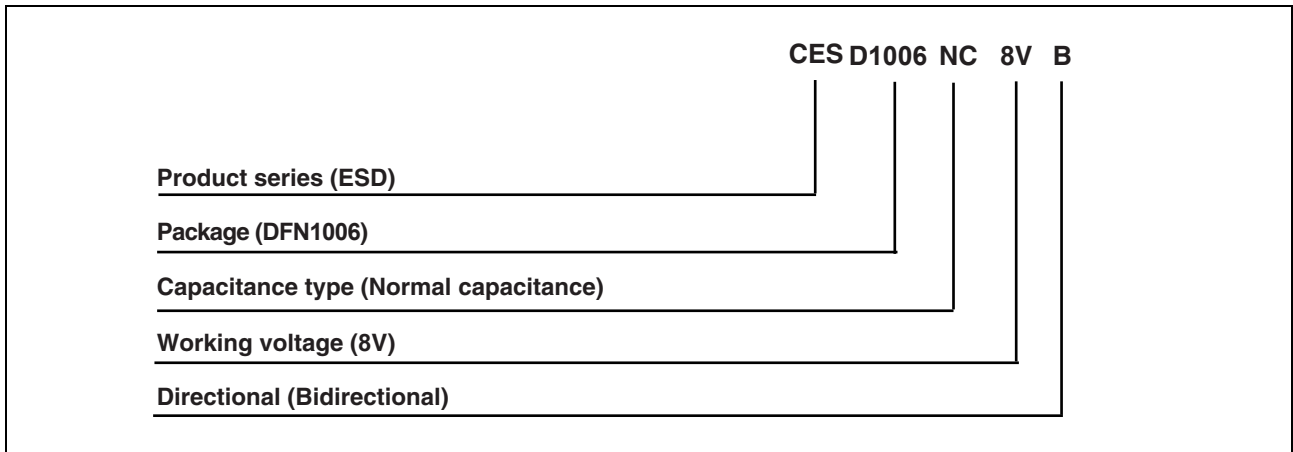
**Typical Characteristics** ( $T_{amb} = 25\text{ }^{\circ}\text{C}$  unless otherwise specified)



**Package Dimensions**



## Part number system



## Marking



## Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification
CESD1006NC8VB	DFN1006	Tape and reel	10000pcs / reel	EIA STD RS-481

## Revision history

Date	Revision	Changes
23-May-2012	1.0	Initial release

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