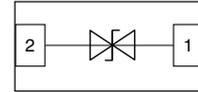
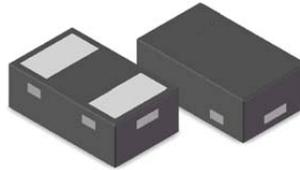


**9G8`Dfch]W]cb`8]cXY]b`DFN1006**

**: YUi fYg**

- 80Watts peak pulse power (tp = 8/20us)
- DFN1006 package
- Bidirectional configurations
- Solid-state silicon-avalanche technology
- Low clamping voltage
- Low leakage current
- Medium capacitance (CJ=6pF typ.)
- Protection one data/power line to:
  - IEC 61000-4-2 ±30kV contact ±30kV air
  - IEC 61000-4-4 (EFT) 40A (5/50ns)
  - IEC 61000-4-5 (Lightning) 7A (8/20µs)



**A YW Ub]WU`8 UU**

- **7 UgY.** DFN1006 (plastic package).  
Lead free;RoHS compliant;Halogen free
- **Ac`X]b[ `7 ca dci bX: `Ua a UW] ]miF U]b[ .**  
UL 94 V-0
- **Hyfa ]bUg.** High temperature soldering guaranteed:  
260 °C/10 sec. at terminals

**Applications**

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

**5 Vgc`i hY`AU ]a i a `FU]b[ g**

Ratings at 25 °C, ambient temperature unless otherwise specified

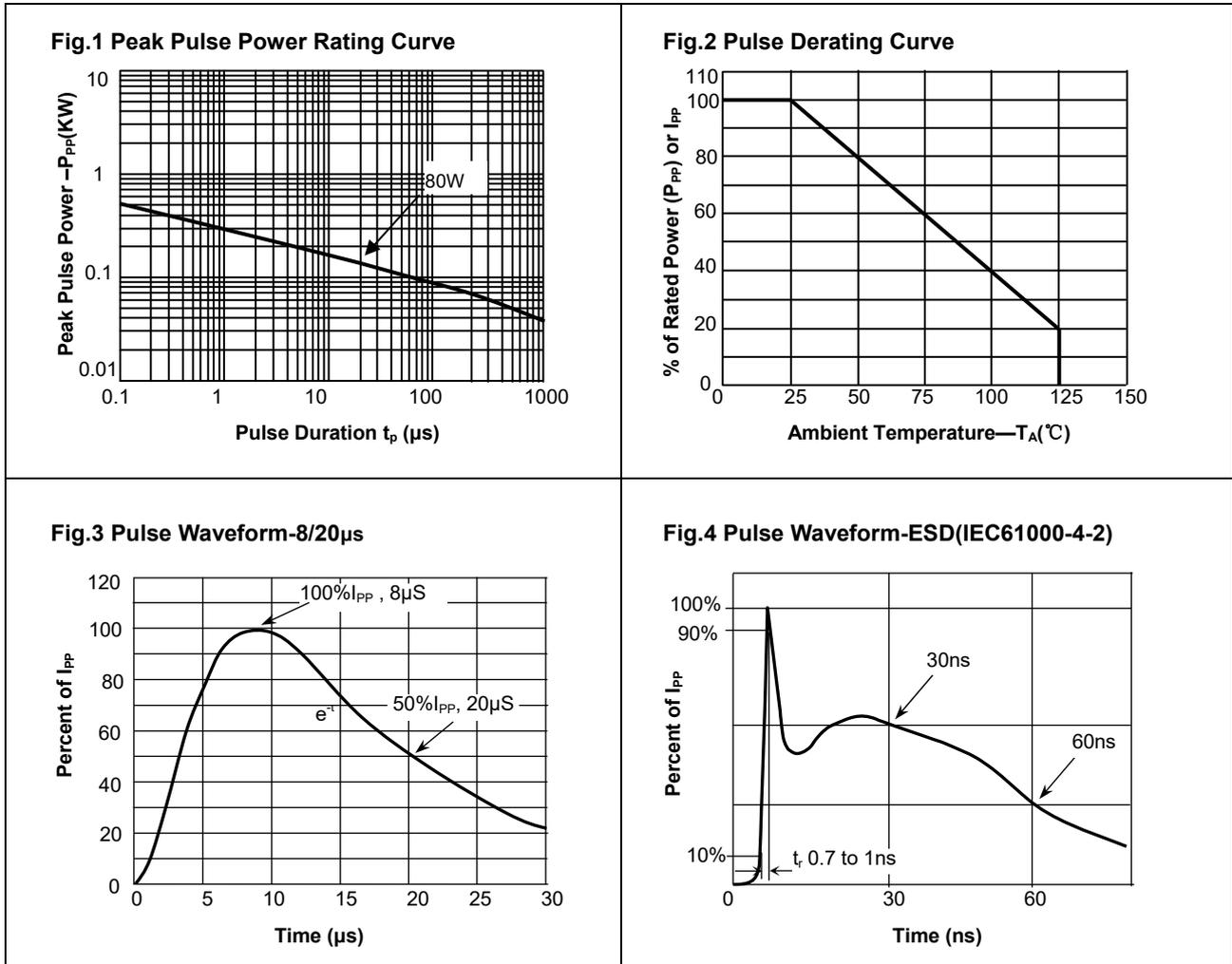
Parameter	Symbol	Value	Unit
Peak Pulse Power (TP=8/20µS)	PP	80	W
ESD contact/air discharge (IEC-61000-4-2)	VESD	30/30	kV
Peak Pulse Current ( tp = 8/20µS )	IPP	7	A
Junction Temperature	TJ	-55 to +150	°C
Storage temperature	TSTG	-55 to +150	°C

**Electrical Characteristics**

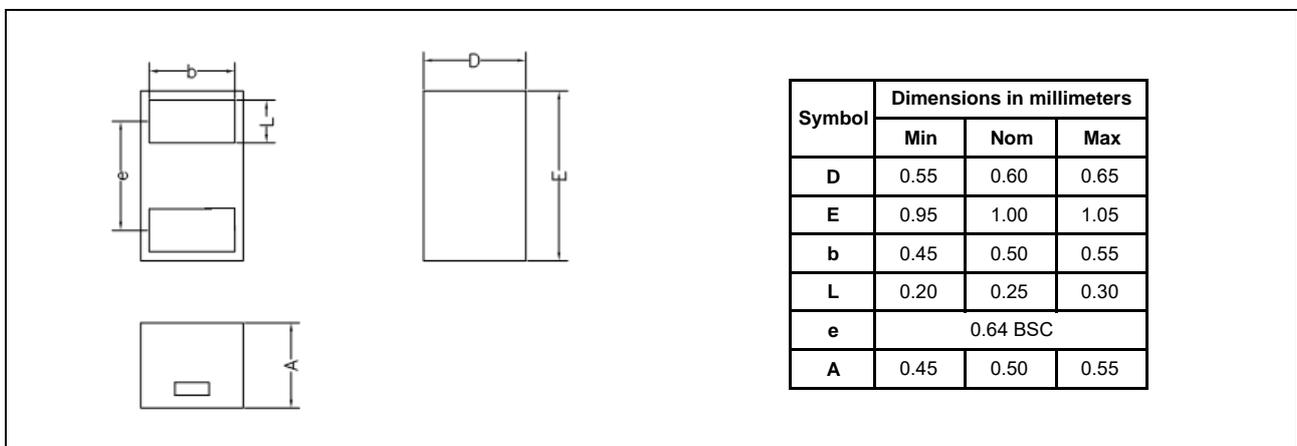
(TA = 25 °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	VRWM				7.0	V
Reverse Breakdown Voltage	VBR	IT=1mA	7.2			V
Reverse Leakage Current	IR	VR=7V			1.0	uA
Clamping Voltage (IEC 61000-4-5)	VC	IPP=7A		10		V
Junction Capacitance	CJ	VR=0V, f=1MHZ		15		pF

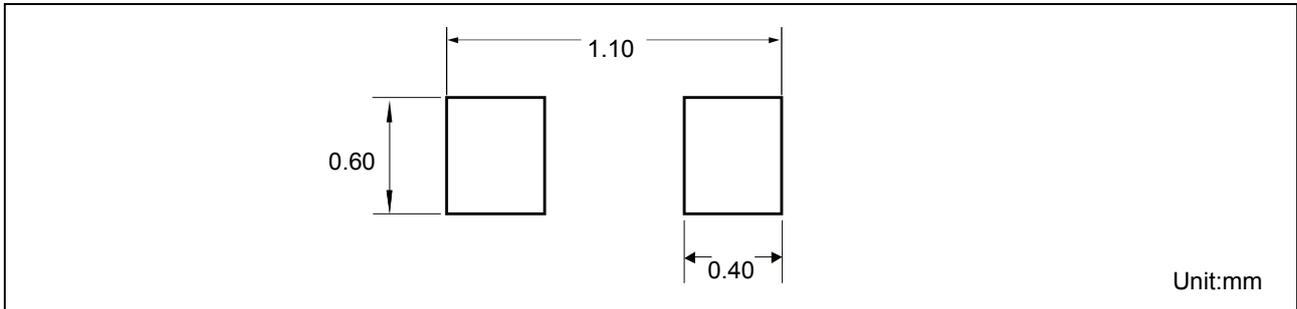
## Typical Characteristics ( $T_{amb} = 25\text{ }^{\circ}\text{C}$ unless otherwise specified)



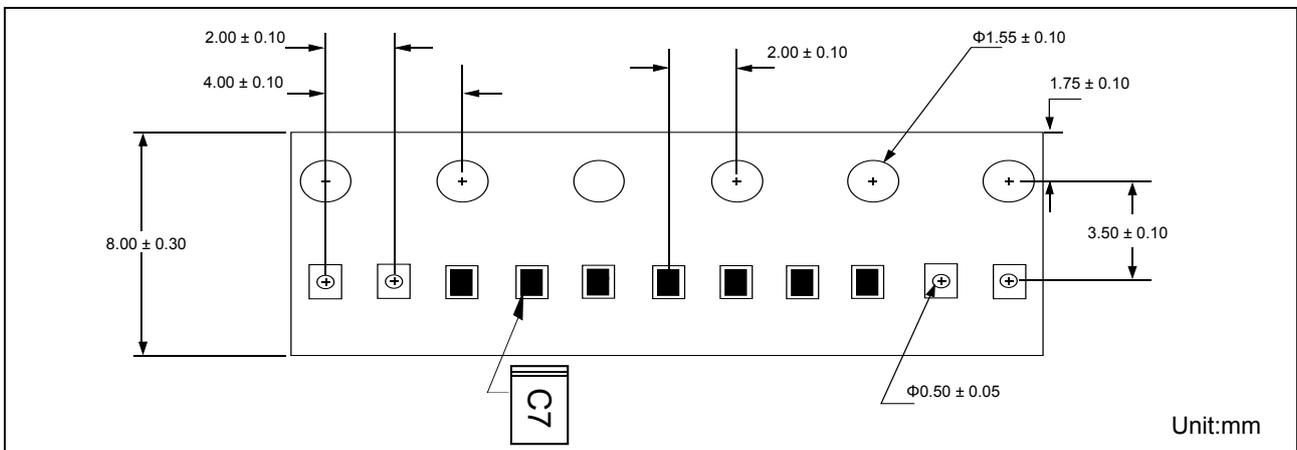
## Package Dimensions



## Pad Dimensions



## Tape and Reel Specification



## Ordering information

Order code	Marking	Package	Packaging option	Base quantity	Packaging specification
CESD1006NC7VB	C7	DFN1006	Tape and reel	10000pcs / reel	EIA STD RS-481

## Revision history

Date	Revision	Changes
23-May-2016	1.0	Initial release

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