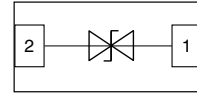
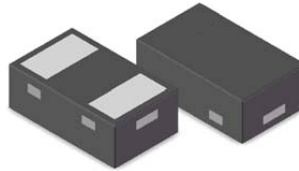


## 9G8'DfchYW]cb'8]cXY]b'DFN1006

### : YUi fYg

- 24Watts peak pulse power (tp = 8/20us)
- DFN1006 package
- Bidirectional configurations
- Solid-state silicon-avalanche technology
- Low clamping voltage
- Low leakage current
- Medium capacitance (CJ=0.2pF typ.)
- Protection one data/power line to:
  - IEC 61000-4-2 ±15kV contact ±20kV air
  - IEC 61000-4-4 (EFT) 40A (5/50ns)
  - IEC 61000-4-5 (Lightning) 4A (8/20µs)



### A YW Ub]WU'8 UU

- 7 UgY. DFN1006 (plastic package).  
Lead free; RoHS compliant
- 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

- Cell Phone Handsets and Accessories
- Personal Digital Assistants (PDA's)
- Microprocessor based equipment
- Notebooks, Desktops, and Servers
- Portable Instrumentation

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

Ratings at 25 °C, ambient temperature unless otherwise specified

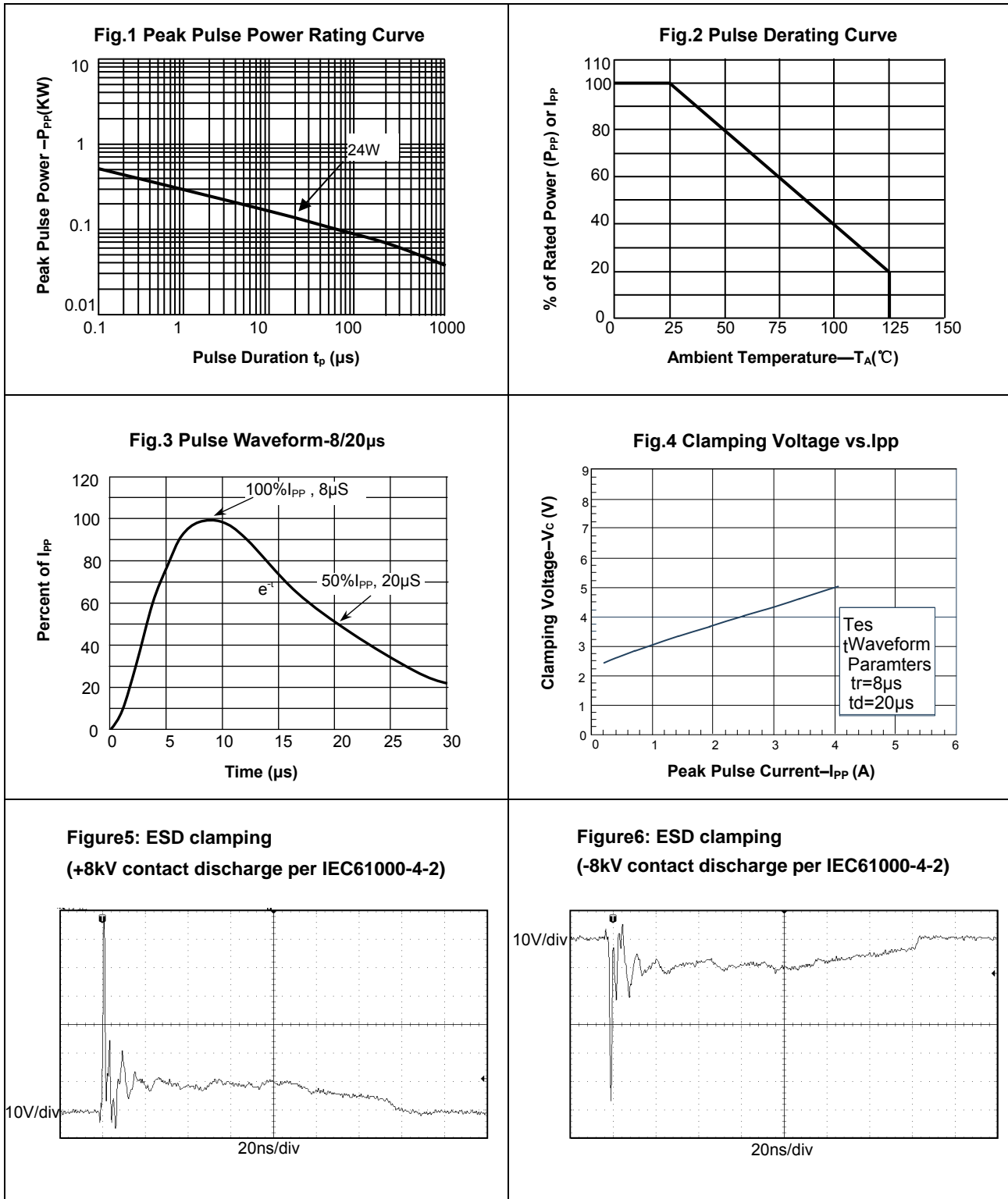
Parameter	Symbol	Value	Unit
Peak Pulse Power (TP=8/20µS)	PP	24	W
ESD contact/air discharge (IEC-61000-4-2)	VESD	15/20	kV
Peak Pulse Current ( tp = 8/20µS )	IPP	4	A
Junction Temperature	TJ	-55 to +125	°C
Storage temperature	TSTG	-55 to +150	°C

### Electrical Characteristics

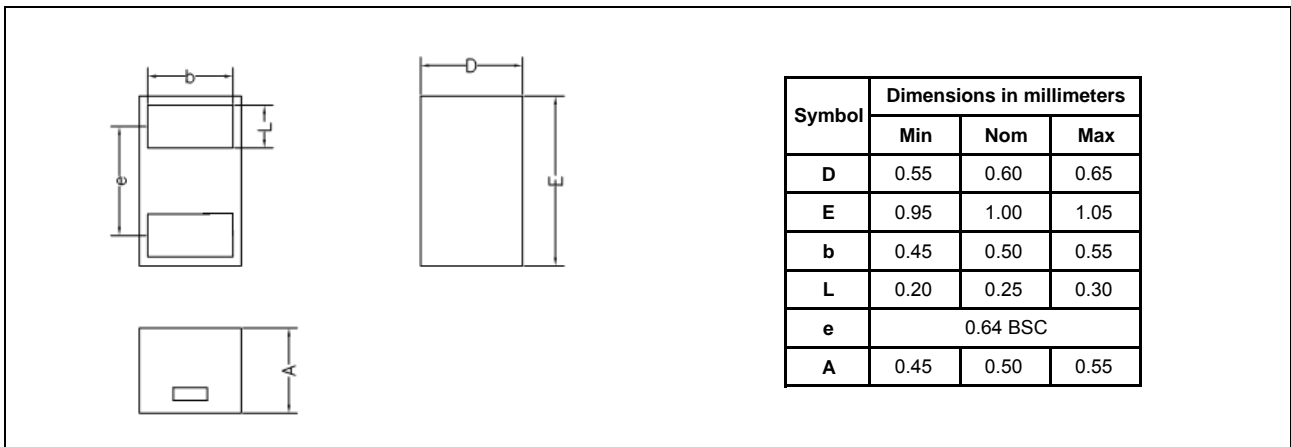
(TA = 25 °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	VRWM				5.0	V
Reverse Breakdown Voltage	VBR	IT=1mA	6.0			V
		IT=10mA	1.0		5.0	V
Reverse Leakage Current	IR	VR=5V			0.5	µA
Clamping Voltage (IEC 61000-4-5)	VC	IPP=4A			6	V
Junction Capacitance	CJ	VR=0V, f=1MHz		0.2		pF

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



## Package Dimensions



## Ordering information

Order code	Marking	Package	Packaging option	Base quantity	Packaging specification
CESD1006UC5VBS	R1	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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