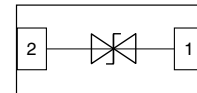
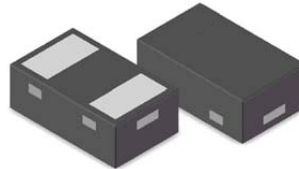


## 9 G8 'DfchYW]cb'8 ]cXY]b'DFN1006

### : YUi fYg

- 32Watts peak pulse power (Tp = 8/20us)
- DFN1006 package
- Bidirectional configurations
- Solid-state silicon-avalanche technology
- Low clamping voltage
- Low leakage current
- Medium capacitance (CJ=0.45pF typ.)
- Protection one data/power line to:
  - IEC 61000-4-2 ±8kV contact ±15kV air
  - IEC 61000-4-4 (EFT) 40A (5/50ns)
  - IEC 61000-4-5 (Lightning) 4A (8/20μs)



### A YW Ub]WU'8 UH

- **7 UgY.** DFN1006 (plastic package).  
Lead free; RoHS compliant; Halogen-Free
- **Ac`X]b[ `7 ca dci bX': `Ua a UV] ]hmF 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 H'A U ]a i a 'FU]b[ g

Ratings at 25 °C, ambient temperature unless otherwise specified

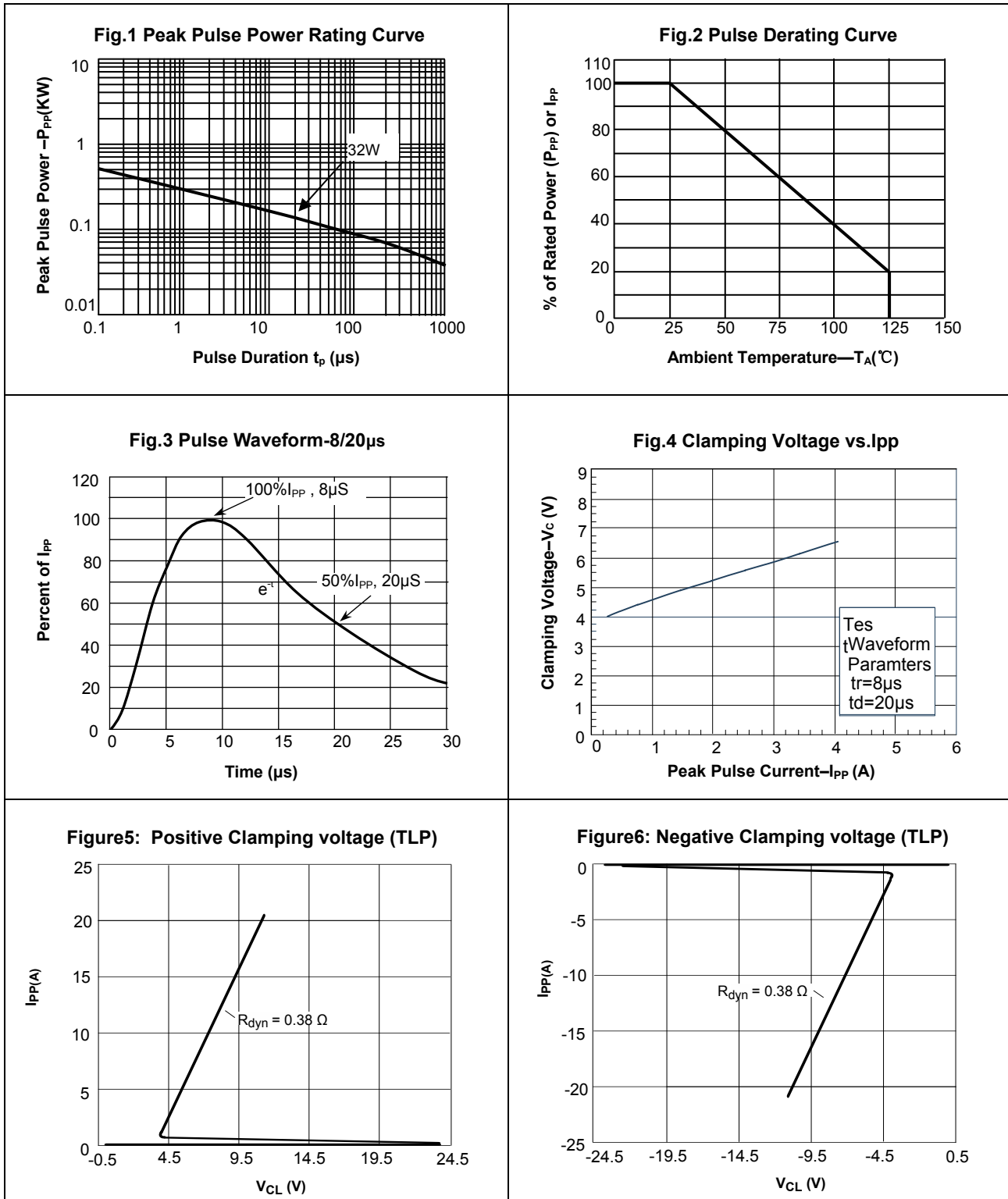
Parameter	Symbol	Value	Unit
Peak Pulse Power (Tp=8/20μs)	P <sub>PP</sub>	32	W
ESD contact/air discharge (IEC-61000-4-2)	V <sub>ESD</sub>	8/15	kV
Peak Pulse Current (Tp = 8/20μs)	I <sub>PP</sub>	4	A
Junction Temperature	T <sub>J</sub>	-55 to +125	°C
Storage temperature	T <sub>STG</sub>	-55 to +150	°C

### Electrical Characteristics

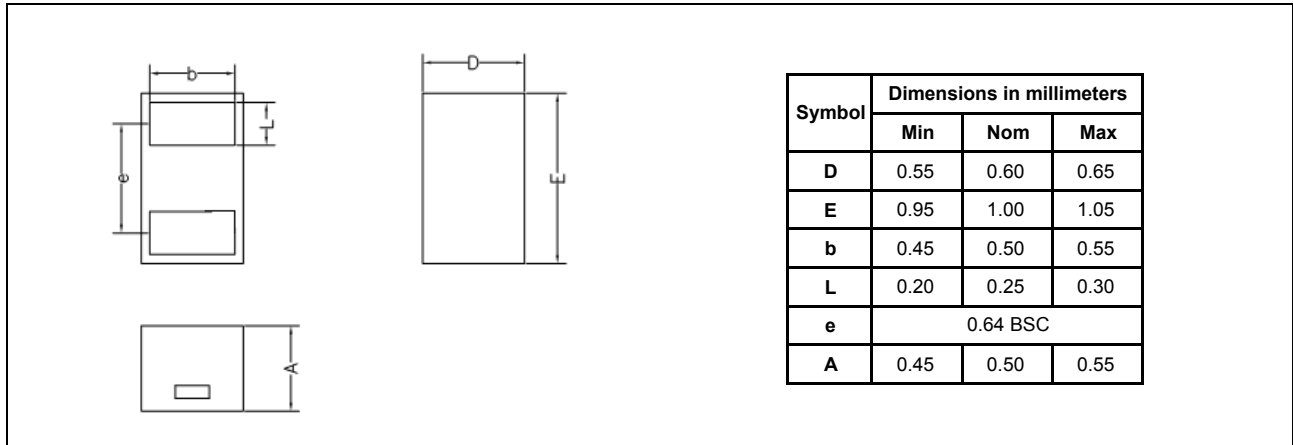
(T<sub>A</sub> = 25 °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	V <sub>RWM</sub>				24.0	V
Holding Voltage	V <sub>H</sub>	I <sub>T</sub> =I <sub>H</sub>		3.0		V
Holding Current	I <sub>H</sub>		35			mA
Reverse Leakage Current	I <sub>R</sub>	V <sub>RWM</sub> =24V			500	nA
Clamping Voltage	V <sub>C</sub>	I <sub>PP</sub> =4A, Tp=8/20μs		8.0		V
Clamping Voltage(TLP)	V <sub>C</sub>	I <sub>PP</sub> =16A, Tp=100ns		9.6		V
Trigger Voltage	V <sub>T</sub>			24		V
Dynamic Resistance	R <sub>dyn</sub>	Tp=100ns		0.38		Ω
Junction Capacitance	C <sub>J</sub>	V <sub>R</sub> =0V, f=1MHz		0.45		pF

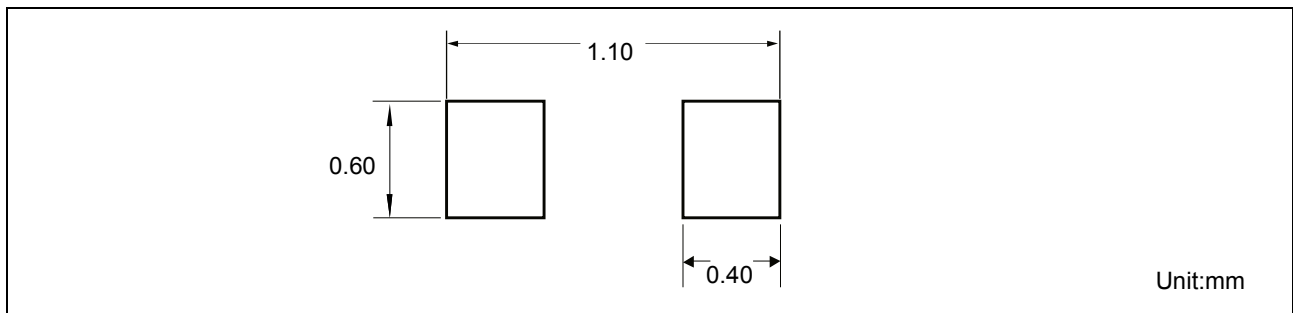
Typical Characteristics ( $T_{amb} = 25\text{ }^{\circ}\text{C}$  unless otherwise specified)



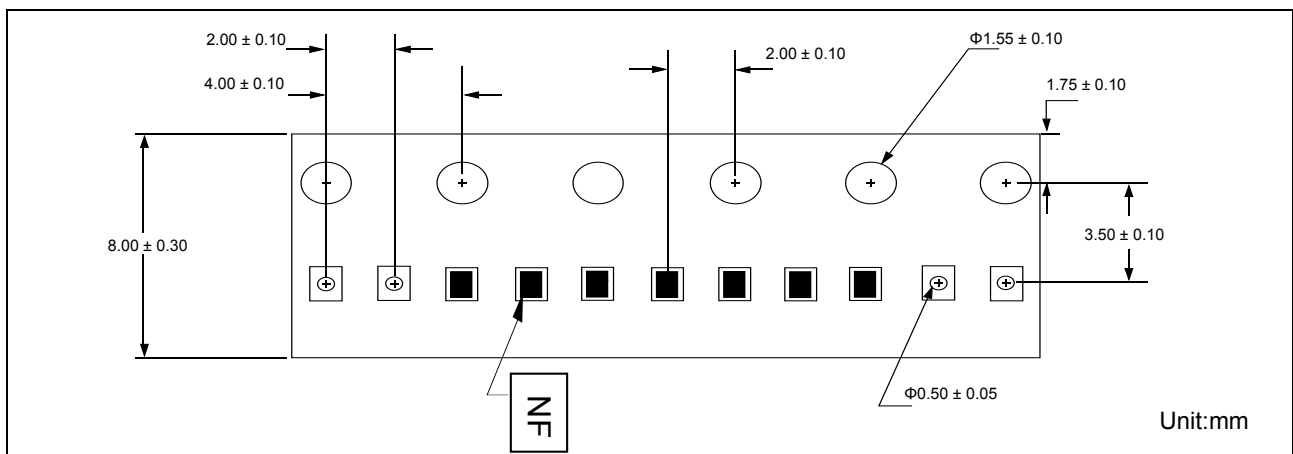
### Package Dimensions



### Pad Dimensions



### Tape and Reel Specification



### Ordering information

Order code	Marking	Package	Packaging option	Base quantity	Packaging specification
CESD1006UC24VBS	NF	DFN1006	Tape and reel	10000pcs / reel	EIA STD RS-481

### Revision history

Date	Revision	Changes
23-May-2020	1.0	Initial release

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