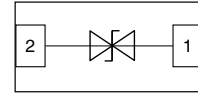
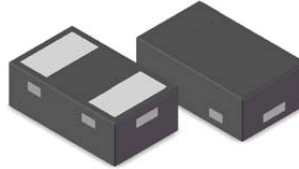


9G8 `DfchYW]cb`8]cXY`]b`DFN1006

: YUi fYg

- 70Watts peak pulse power (tp = 8/20us)
- DFN1006 package
- Bidirectional configurations
- Solid-state silicon-avalanche technology
- Low clamping voltage
- Low leakage current
- Medium capacitance (CJ=0.5pF 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) 9A (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 UV`]mFUh]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

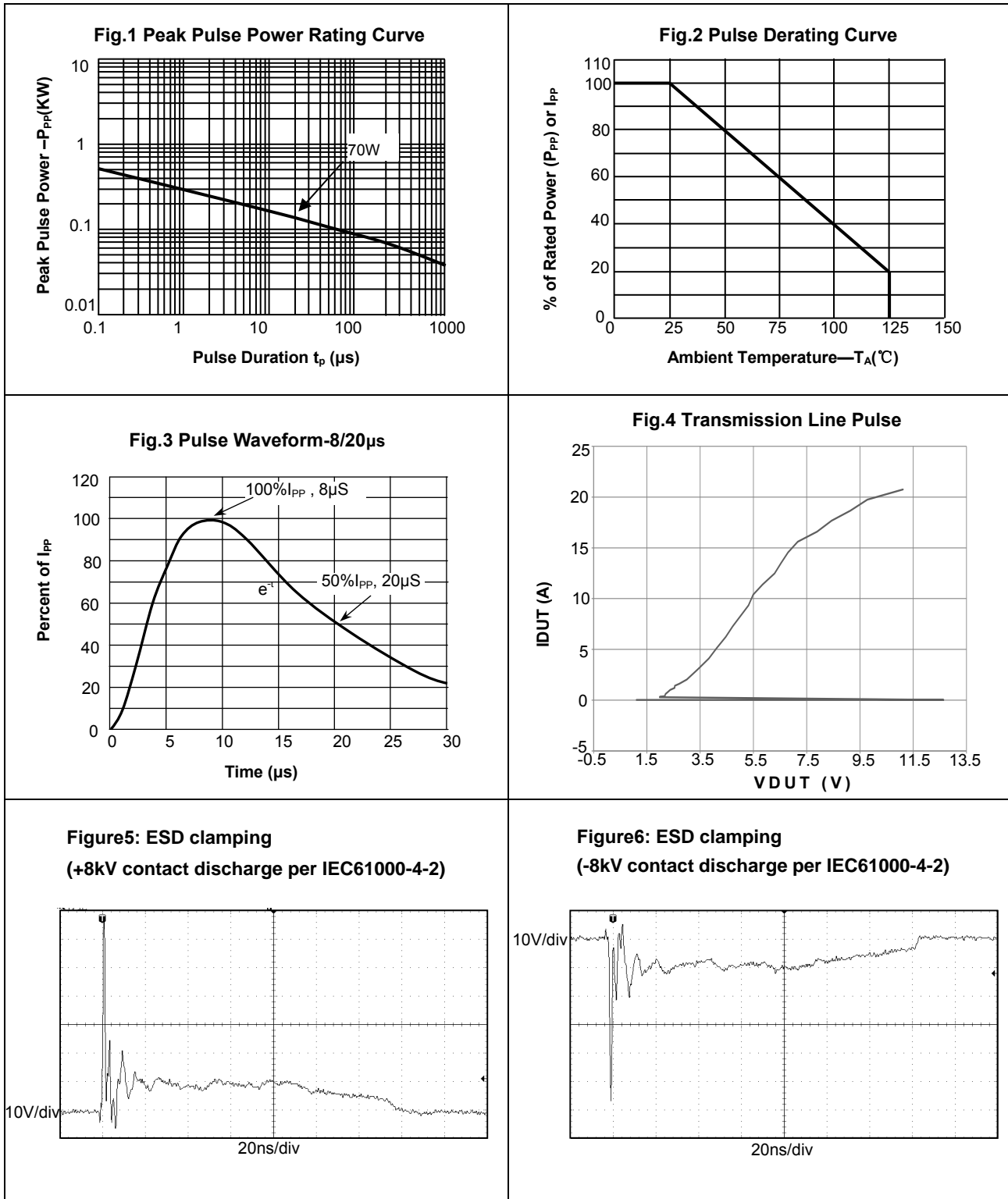
Parameter	Symbol	Value	Unit
Peak Pulse Power (TP=8/20µS)	P _{PP}	70	W
ESD contact/air discharge (IEC-61000-4-2)	V _{ESD}	15/20	kV
Peak Pulse Current (tp = 8/20µS)	I _{PP}	9	A
Junction Temperature	T _J	-55 to +125	°C
Storage temperature	T _{STG}	-55 to +125	°C

Electrical Characteristics

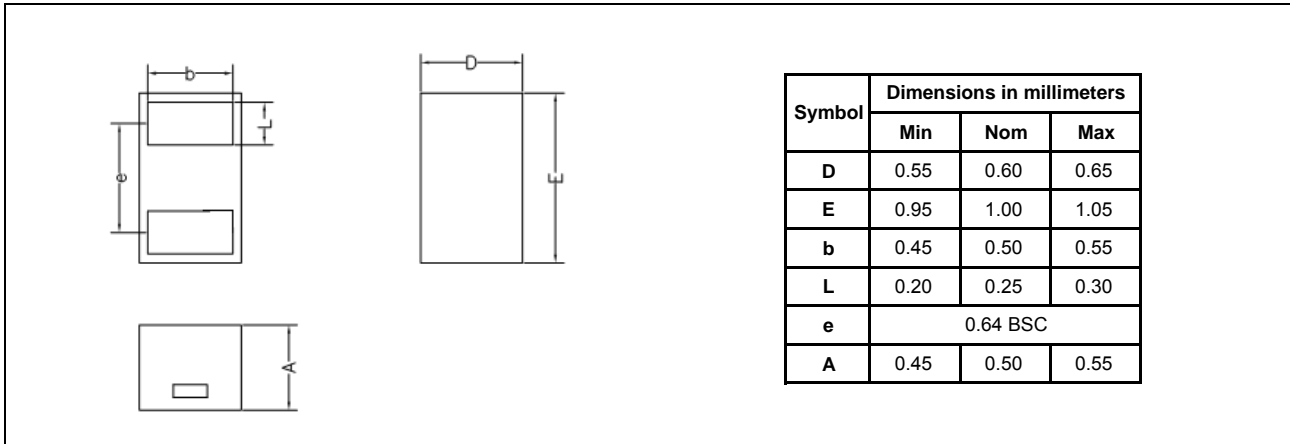
(T_A = 25 °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	V _{RWM}				5.0	V
Holding Voltage	V _H	I _T =I _H	2.0		3.2	V
Holding Current	I _H		15			mA
Reverse Leakage Current	I _R	V _{RWM} =5V			500	nA
Clamping Voltage	V _C	I _{PP} =7A, t _p =8/20µs		6.2	7.5	V
Clamping Voltage(TLP)	V _C	I _{PP} =16A, T _P =100ns			7.5	V
Trigger Voltage	V _T		8		16	V
Dynamic Resistance	R _{dyn}	T _P =100ns		0.25		Ω
Junction Capacitance	C _J	V _R =0V, f=1MHz		0.5		pF

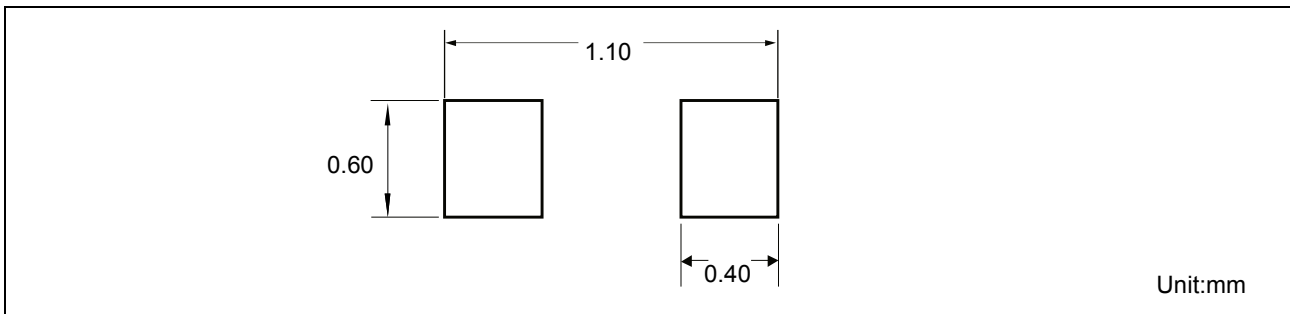
Typical Characteristics ($T_{amb} = 25\text{ }^{\circ}\text{C}$ unless otherwise specified)



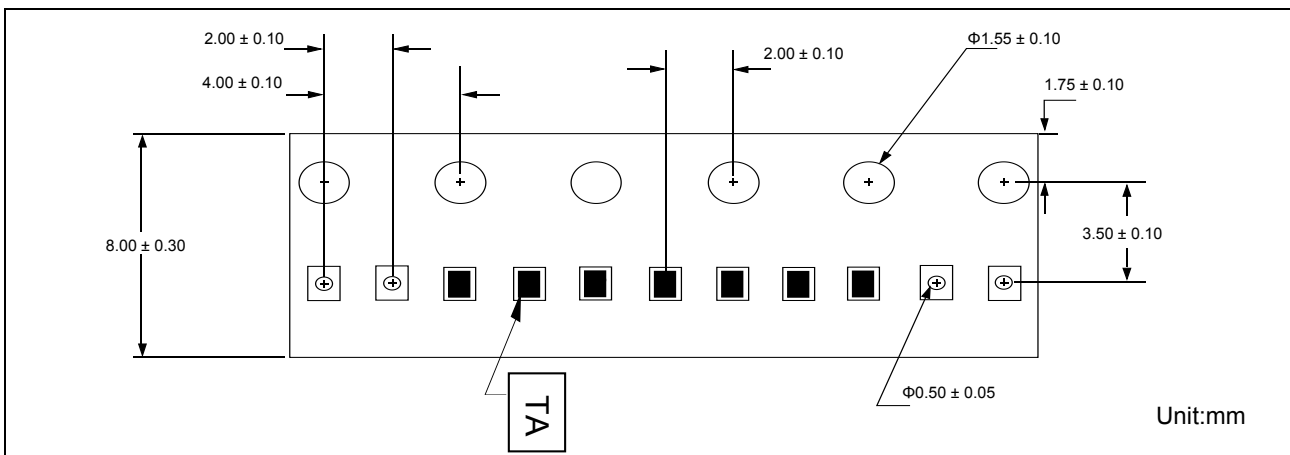
Package Dimensions



Pad Dimensions



Tape and Reel Specification



Ordering information

Order code	Marking	Package	Packaging option	Base quantity	Packaging specification
CESD1006UC5VBSH	TA	DFN1006	Tape and reel	10000pcs / reel	EIA STD RS-481

Revision history

Date	Revision	Changes
23-May-2018	1.0	Initial release

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