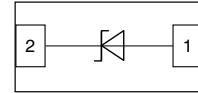
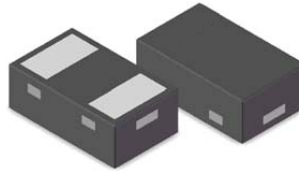


9G8 `DfchYW]cb`8]cXY`]b`DFN1006

: YUi fYg

- 450Watts peak pulse power (tp = 8/20us)
- DFN1006 package
- Uni-directional configurations
- Solid-state silicon-avalanche technology
- Low clamping voltage
- Low leakage current
- Medium capacitance (CJ=90pF 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) 17A (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`]mF U]b[.**
UL 94 V-0
- **HYfa]bUg.** High temperature soldering guaranteed:
260 °C/10 sec. at terminals

Applications

- Cellular Handsets & Accessories
- Personal Digital Assistants (PDAs)
- Notebooks & Handhelds
- Portable Instrumentation

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

Ratings at 25 °C, ambient temperature unless otherwise specified

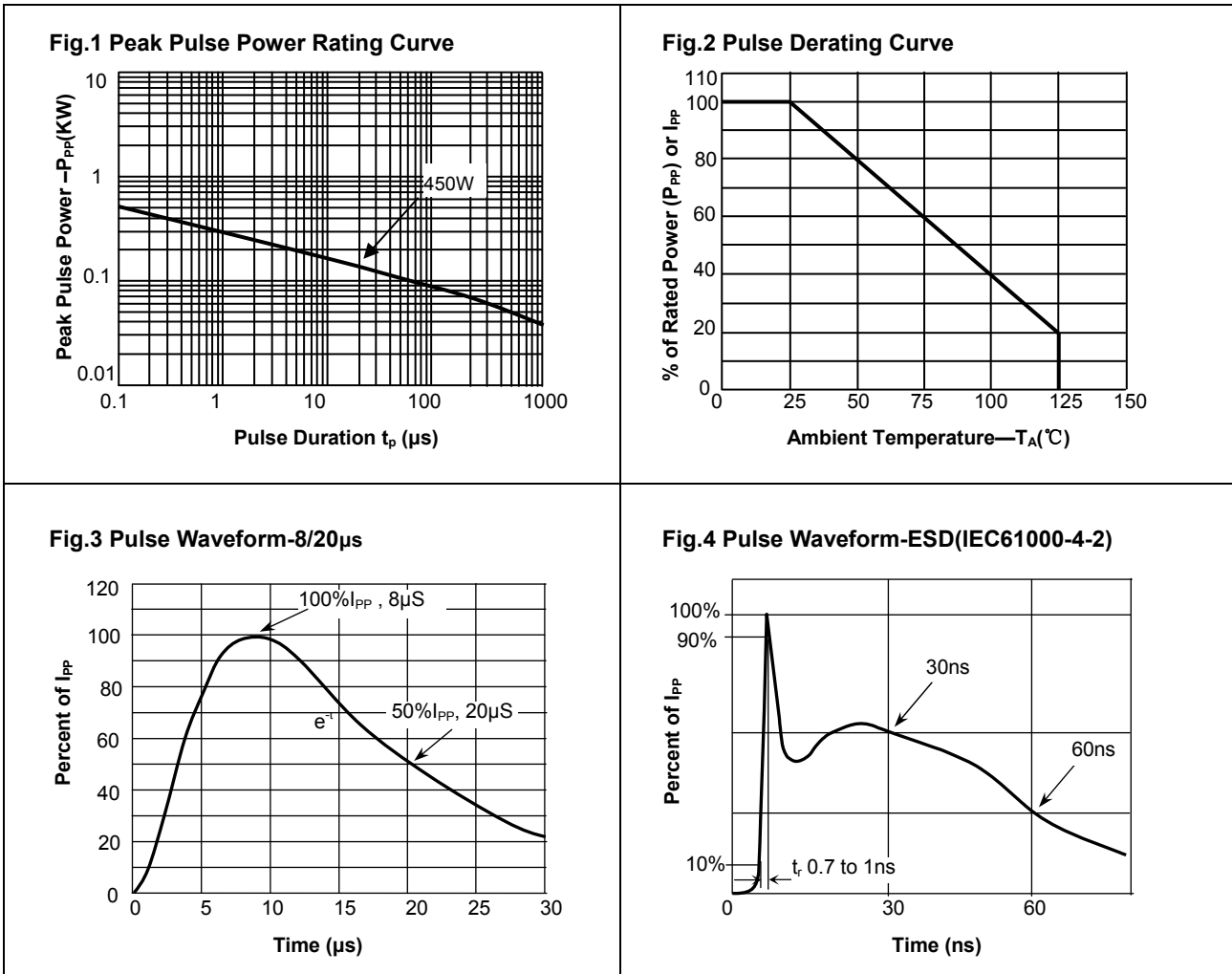
Parameter	Symbol	Value	Unit
Peak Pulse Power (TP=8/20µS)	P _{PP}	450	W
ESD contact/air discharge (IEC-61000-4-2)	V _{ESD}	30/30	kV
Peak Pulse Current (tp = 8/20µS)	I _{PP}	17	A
Junction Temperature	T _J	-55 to +125	°C
Storage temperature	T _{STG}	-55 to +150	°C

Electrical Characteristics

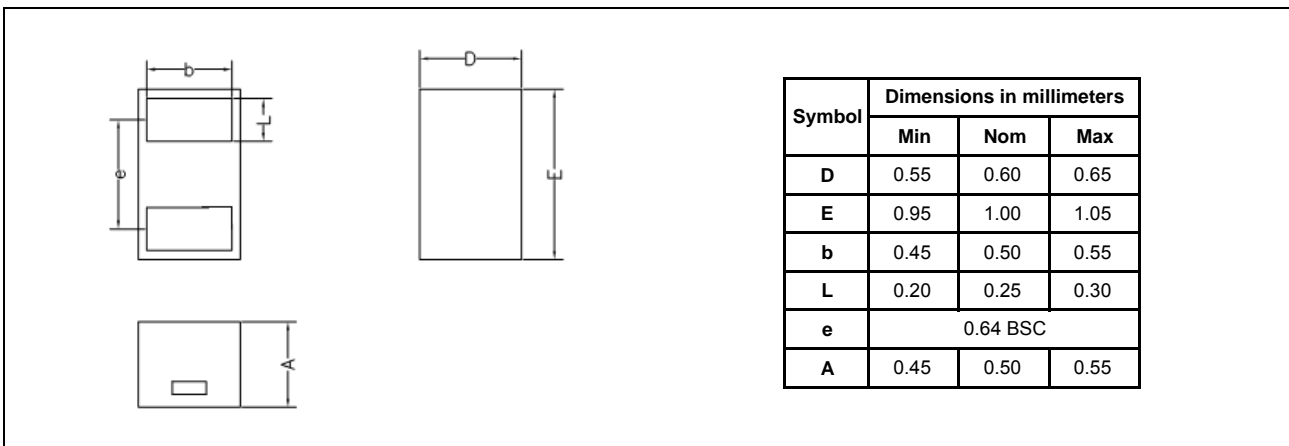
(T_A = 25 °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	V _{RWM}				15.0	V
Reverse Breakdown Voltage	V _{BR}	I _T =1mA	16.7			V
Reverse Leakage Current	I _R	V _R =15V			0.5	µA
Clamping Voltage (IEC 61000-4-5)	V _C	I _{PP} =17A		27		V
Junction Capacitance	C _J	V _R =0V, f=1MHz		90		pF

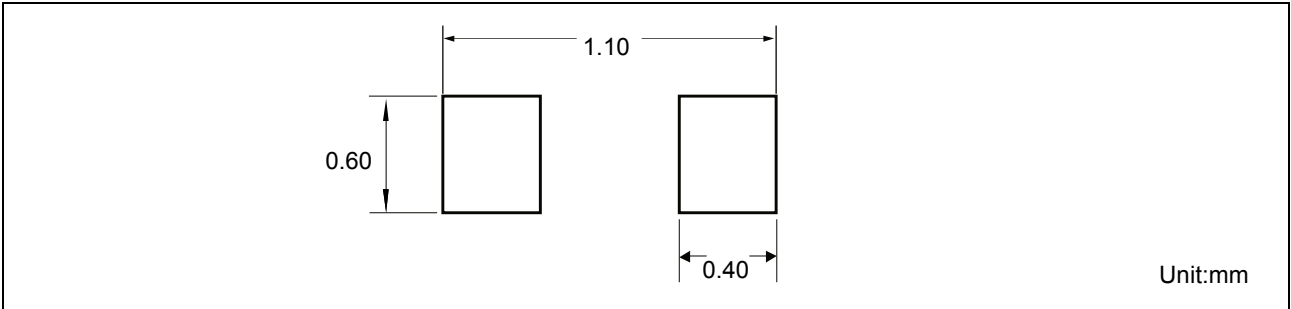
Typical Characteristics ($T_{amb} = 25\text{ }^{\circ}\text{C}$ unless otherwise specified)



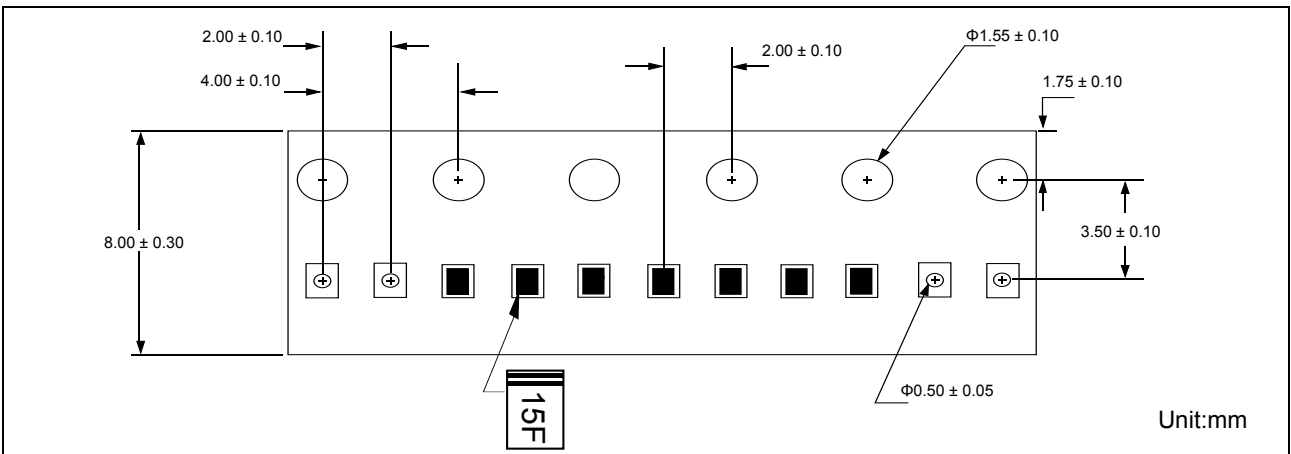
Package Dimensions



Pad Dimensions



Tape and Reel Specification



Marking



Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification
CESD1006NC15VU	DFN1006	Tape and reel	10000pcs / reel	EIA STD RS-481

Revision history

Date	Revision	Changes
23-May-2016	1.0	Initial release
12-Dec.-2018	2.0	Update

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