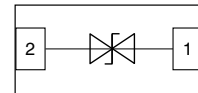
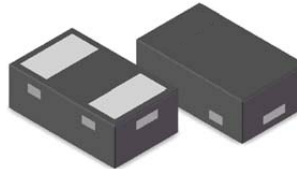


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- 300Watts peak pulse power (tp = 8/20us)
- DFN1006 package
- Bidirectional configurations
- Solid-state silicon-avalanche technology
- Low clamping voltage
- Low leakage current
- Medium capacitance (CJ=25pF typ.)
- Protection one data/power line to:
 - IEC 61000-4-2 ±20kV contact ±20kV air
 - IEC 61000-4-4 (EFT) 40A (5/50ns)
 - IEC 61000-4-5 (Lightning) 10A (8/20µs)



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Applications

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

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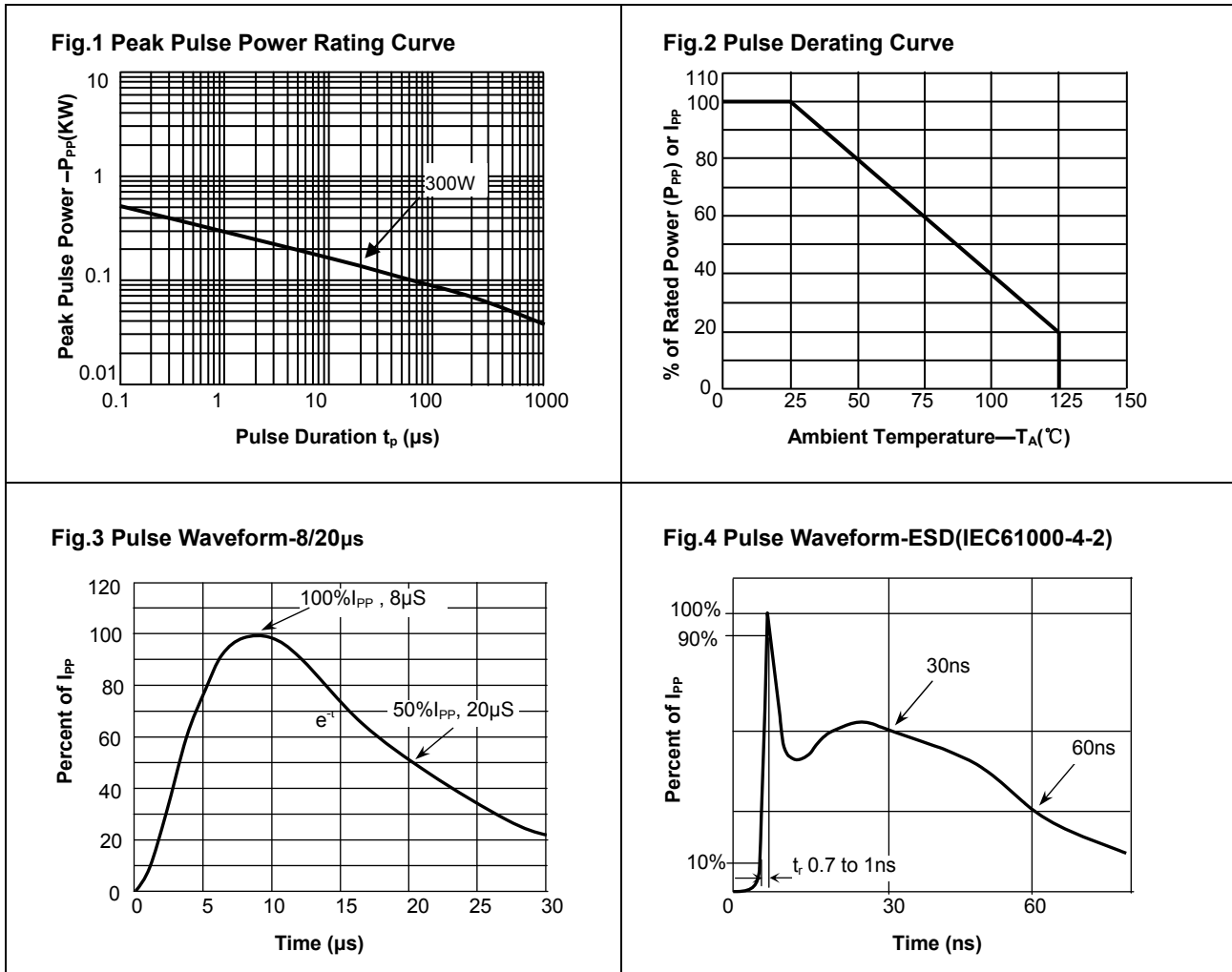
Parameter	Symbol	Value	Unit
Peak Pulse Power (TP=8/20µS)	P _{PP}	300	W
ESD contact/air discharge (IEC-61000-4-2)	V _{ESD}	20/20	kV
Peak Pulse Current (tp = 8/20µS)	I _{PP}	10	A
Junction Temperature	T _J	-55 to +125	°C
Storage temperature	T _{STG}	-55 to +150	°C

Electrical Characteristics

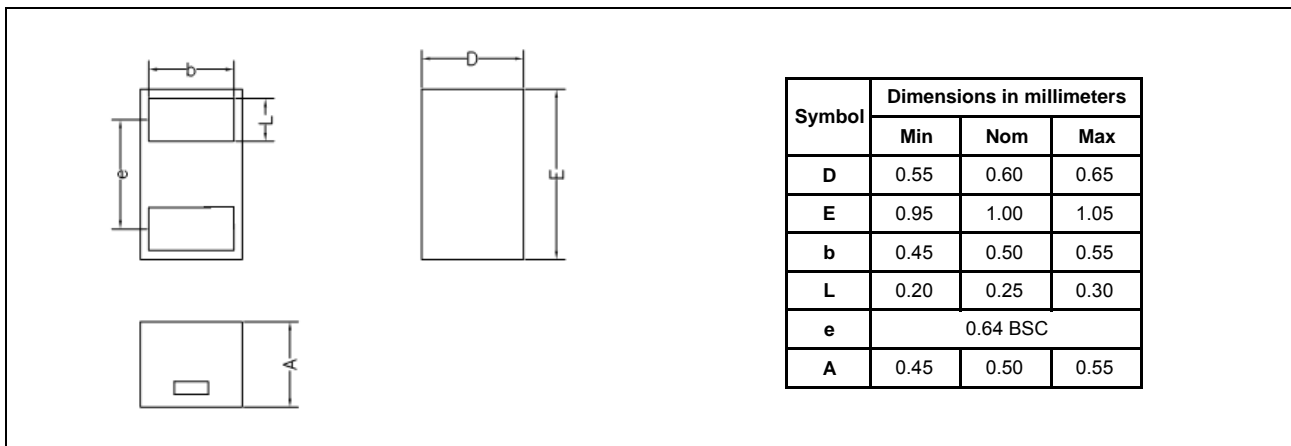
(T_A = 25 °C unless otherwise specified)

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	uA
Clamping Voltage (IEC 61000-4-5)	V _C	I _{PP} =10A			32	V
Junction Capacitance	C _J	V _R =0V, f=1MHz		25		pF

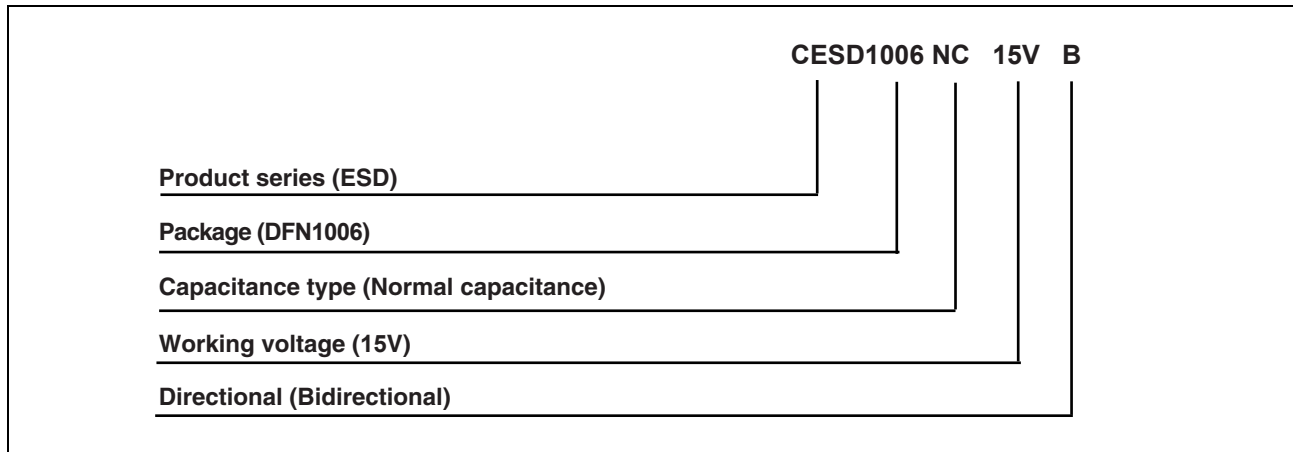
Typical Characteristics ($T_{amb} = 25\text{ }^{\circ}\text{C}$ unless otherwise specified)



Package Dimensions



Part number system



Marking



Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification
CESD1006NC15VB	DFN1006	Tape and reel	10000pcs / reel	EIA STD RS-481

Revision history

Date	Revision	Changes
23-May-2012	1.0	Initial release

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