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: YUi fYg

- 320Watts peak pulse power ($T_P = 8/20\mu s$)
- DFN1006 package
- Bidirectional configurations
- Solid-state silicon-avalanche technology
- Low clamping voltage
- Low leakage current
- Medium capacitance ($C_j=25pF$ typ.)
- Protection one data/power line to:
 - IEC 61000-4-2 $\pm 30kV$ contact $\pm 30kV$ air
 - IEC 61000-4-4 (EFT) 40A (5/50ns)
 - IEC 61000-4-5 (Lightning) 10A (8/20 μs)



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- 7 Ugy. DFN1006 100% Halogen free
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Applications

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

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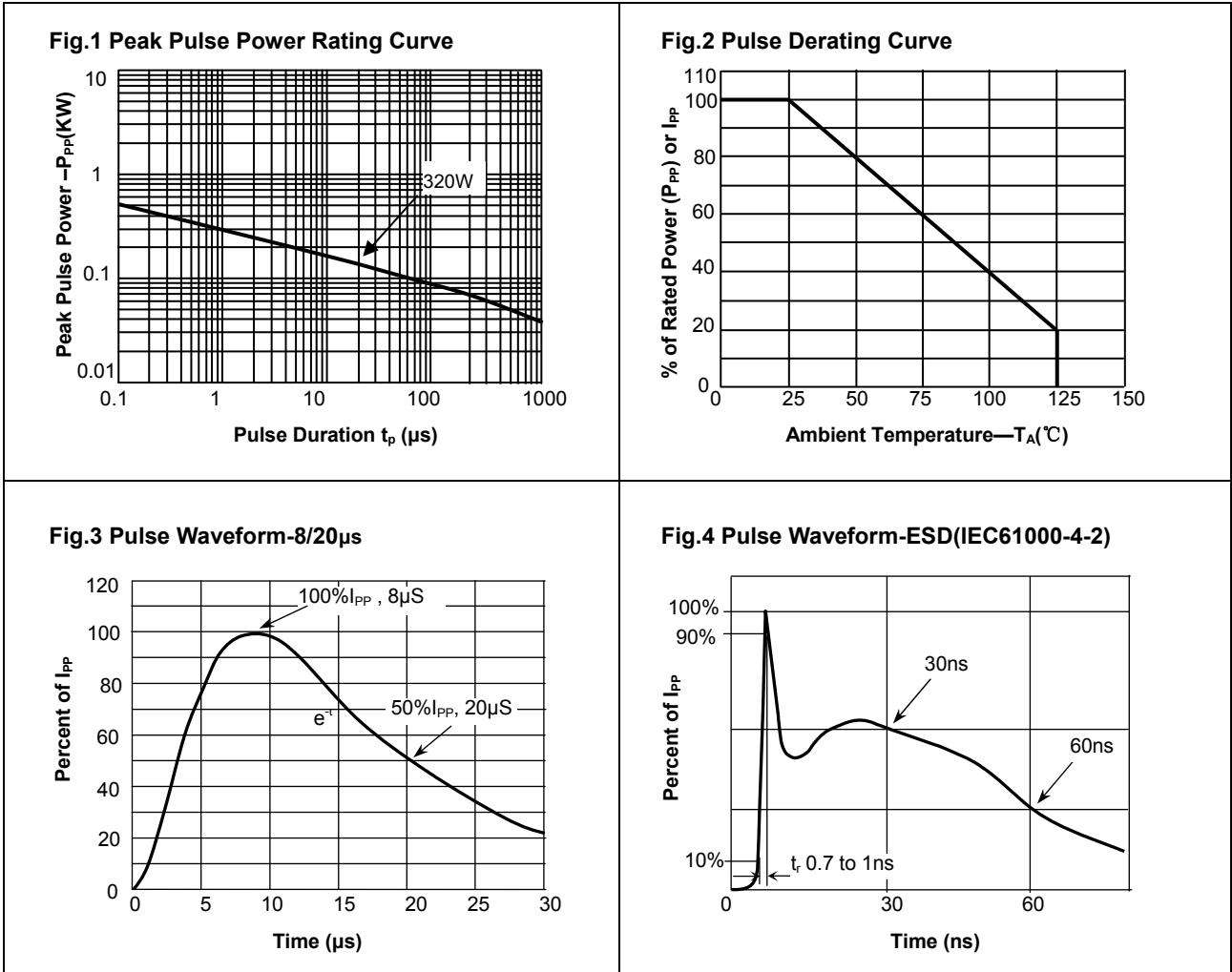
Parameter	Symbol	Value	Unit
Peak Pulse Power ($T_P=8/20\mu s$)	P_{PP}	320	W
ESD contact/air discharge (IEC-61000-4-2)	V_{ESD}	30/30	kV
Peak Pulse Current ($T_P = 8/20\mu s$)	I_{PP}	10	A
Junction Temperature	T_J	-55 to +125	$^{\circ}C$
Storage temperature	T_{STG}	-55 to +150	$^{\circ}C$

Electrical Characteristics

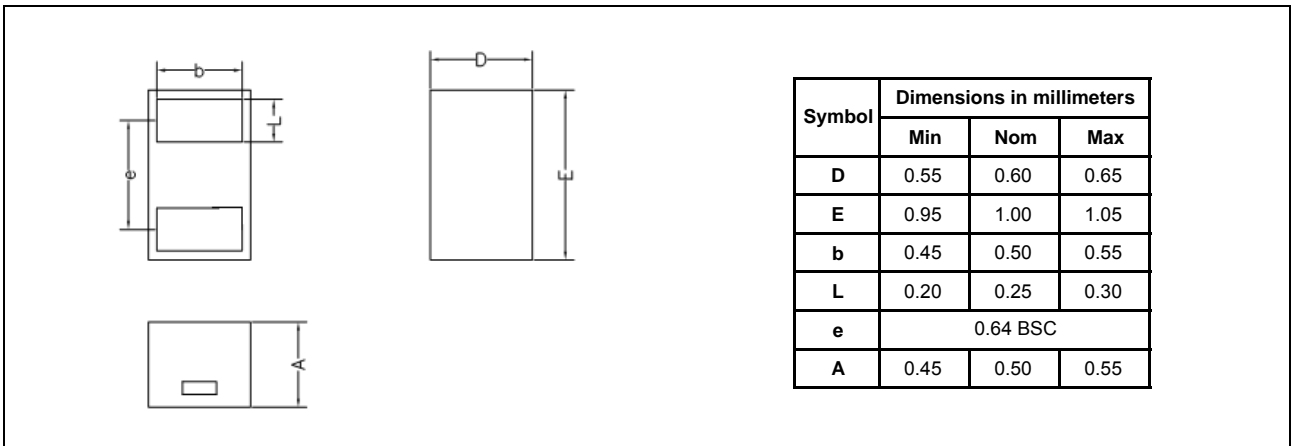
($T_A = 25^{\circ}C$ unless otherwise specified)

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	$I_{PP}=10A$			32	V
Junction Capacitance	C_J	$V_R=0V, f=1MHz$		25		pF

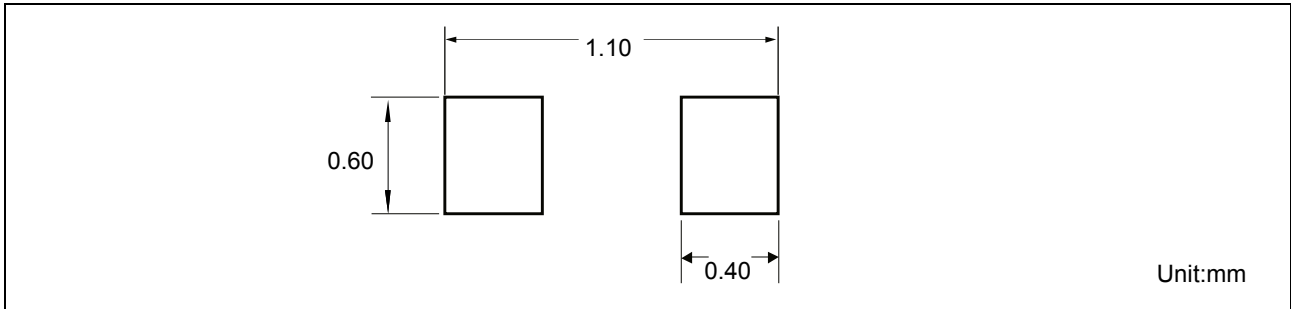
Typical Characteristics ($T_{amb} = 25\text{ }^{\circ}\text{C}$ unless otherwise specified)



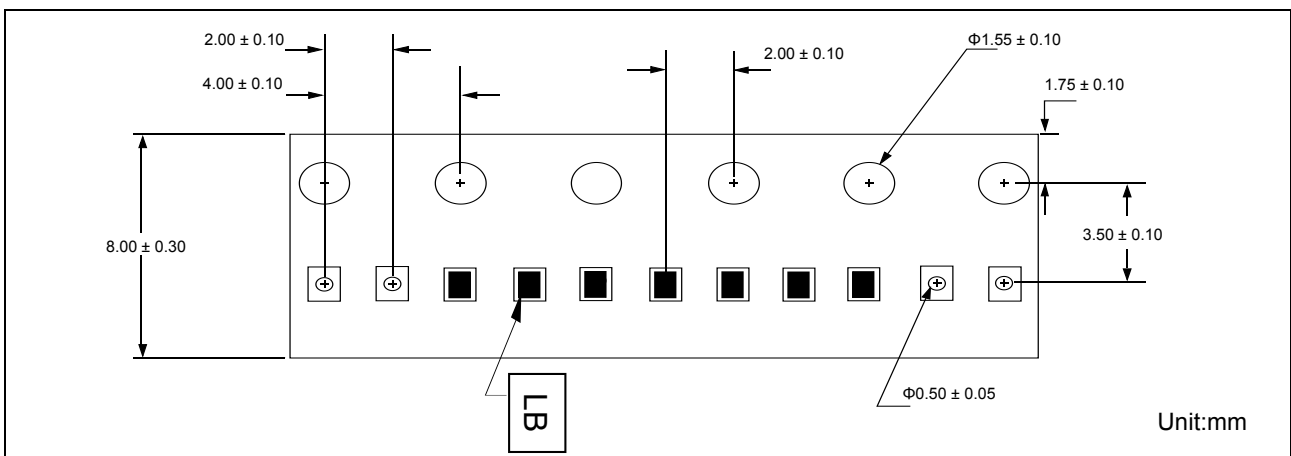
Package Dimensions



Pad Dimensions



Tape and Reel Specification



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-2020	1.0	Initial release

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