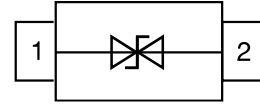
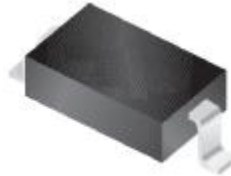




CESD323LCxVB

Features

- 350Watts peak pulse power ($t_p = 8/20\mu s$)
- SOD-323 package
- Bidirectional configurations
- Low clamping voltage
- Low leakage current
- Low capacitance ($C_j = 1pF$ 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) 9A-20A (8/20 μs)



Mechanical Data

- **Case:** SOD-323 (plastic package).
Lead free; RoHS compliant
- **Molding Compound Flammability Rating:**
UL 94 V-0
- **Terminals:** High temperature soldering guaranteed:
260 °C/10 sec. at terminals

Applications

- Ethernet- 10/100/1000 Base T
- Cellular phones
- Handheld- Wireless Systems
- PDAs
- USB Interface

Absolute Maximum Ratings

Ratings at 25 °C, ambient temperature unless otherwise specified

Parameter	Symbol	Value	Unit
Peak Pulse Power ($T_P=8/20\mu S$)	P_{PP}	350	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}	9-20	A
Junction Temperature	T_J	-55 to +125	°C
Storage temperature	T_{STG}	-55 to +150	°C

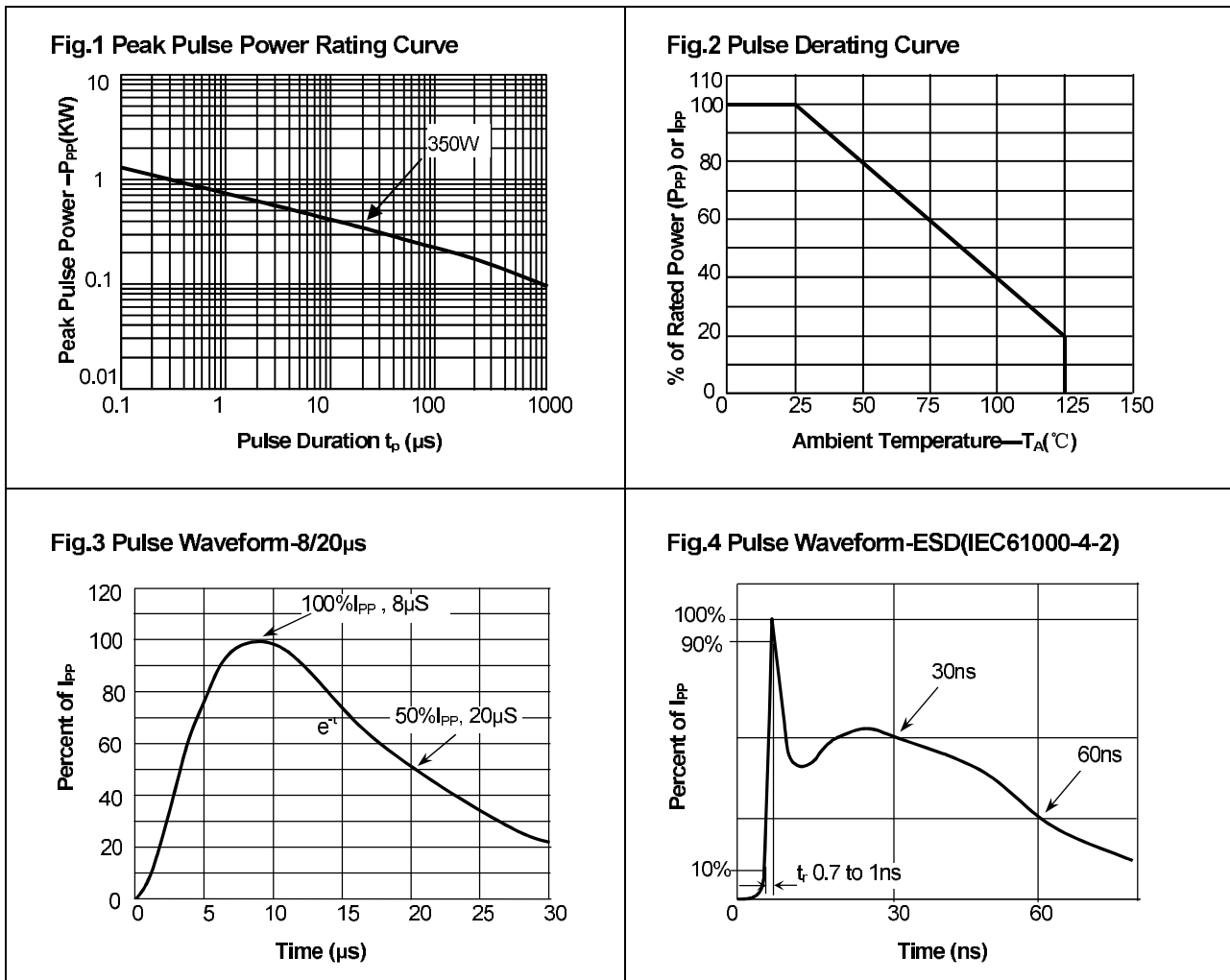
Electrical Characteristics

($T_A = 25$ °C unless otherwise specified)

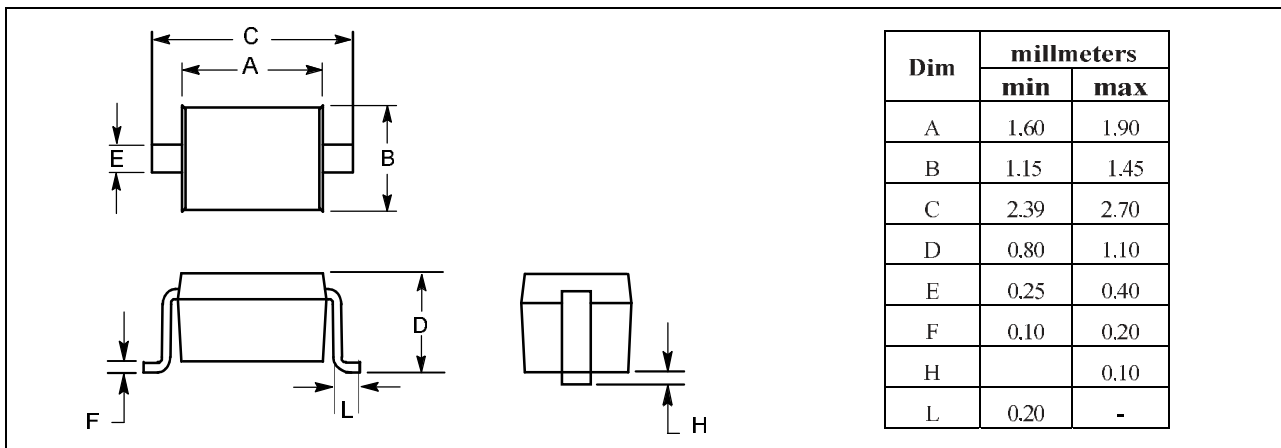
Part Number	Marking	V_{RWM} Volts	IR @ V_{RWM} uA	Min Breakdown Voltage V_{BR} @1mA Volts	Max Clamping Voltage V_C		Typ C_J @0V,1MHz pF
					@ $I_P=1A$ Volts	@ I_{PP} Volts	
					CESD323LC3V3B	3B	3.3
CESD323LC5VB	5B	5	1	6.0	9.8	18.3 @ 17A	1
CESD323LC8VB	8B	8	1	8.5	13.4	26.8 @ 20A	1
CESD323LC12VB	AB	12	1	13.3	19.0	28.6 @ 11A	1
CESD323LC15VB	BB	15	1	16.7	24.0	40 @ 10A	1
CESD323LC24VB	CB	24	1	26.7	33.0	54 @ 9A	1

CESD323LCxVB

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

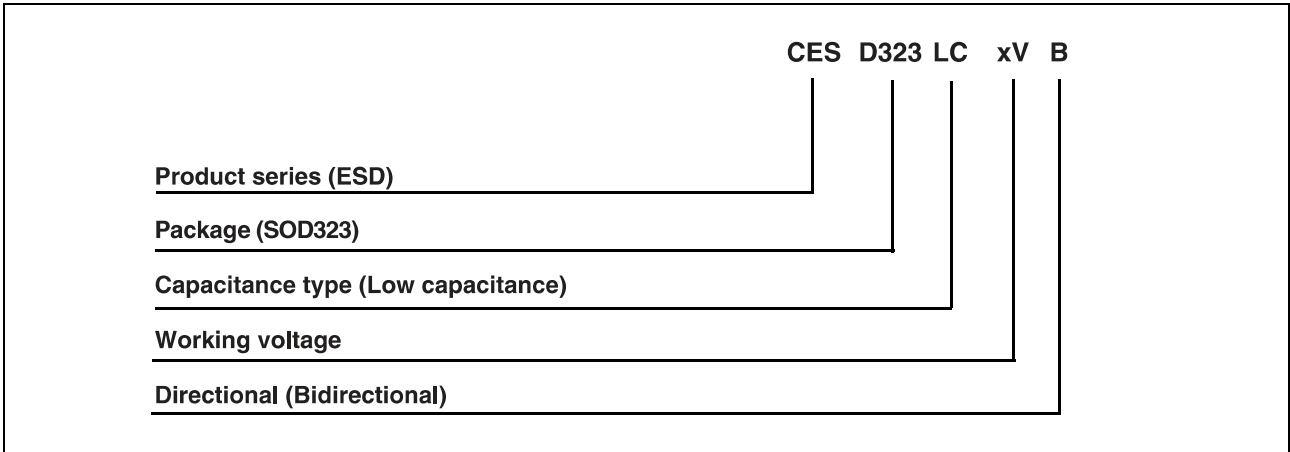


Package Dimensions

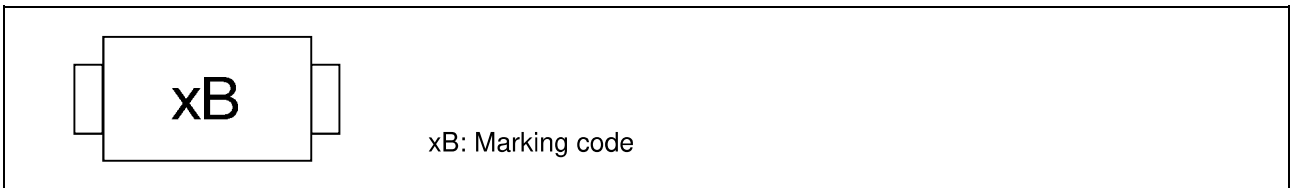


CESD323LCxVB

Part number system



Marking



Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification
CESD323LCxVB	SOD-323	Tape and reel	3000pcs / reel	EIA STD RS-481

Revision history

Date	Revision	Changes
23-May-2012	1.0	Initial release