

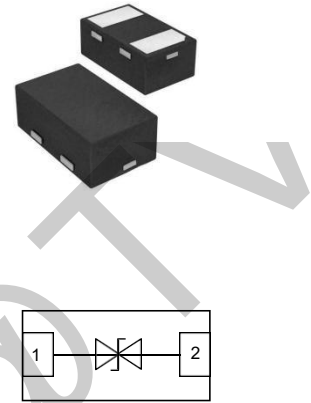
Features

- Capacitance: 10pF (typ.)
- Reverse Working Voltage: 15V
- IEC 61000-4-2 (ESD Air): $\pm 30\text{kV}$
- IEC 61000-4-2 (ESD Contact): $\pm 30\text{kV}$
- IEC 61000-4-5 (Lightning 8/20 μs): 3.5A

Mechanical Data

- Package: DFN1006 (1.00 $\times$ 0.60 $\times$ 0.37mm)
- Bi-directional ESD protection
- Delivery: 7" T&R, 10,000pcs
- Marking: 15B

DFN1006-2L



Applications

- Cellular phones
- Portable devices
- Digital cameras
- Power supplies

Ordering information

Ordercode	Marking	Package	Packaging option	Basequantity	Packaging specification
DCE1510D2	15B	DFN1006	Tape and reel	10000pcs / reel	EIA STD RS-481

Absolute Maximum Ratings

Ratings at 25 °C, ambient temperature unless otherwise specified

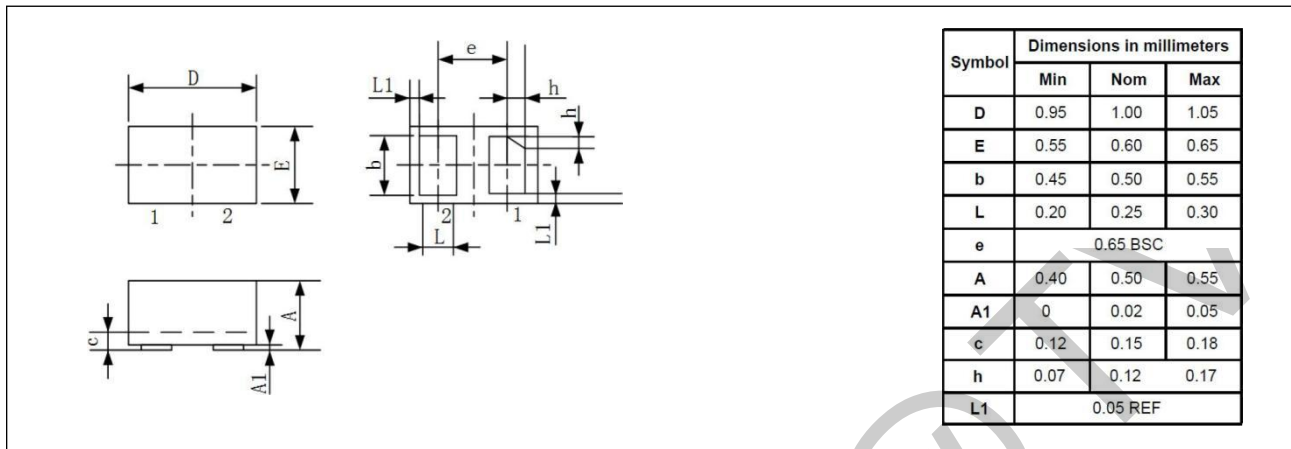
Parameter	Symbol	Value	Unit
Peak Pulse Power ($T_P=8/20\mu\text{s}$)	P_{PP}	95	W
ESD contact/air discharge (IEC-61000-4-2)	V_{ESD}	$\pm 30/\pm 30$	kV
Peak Pulse Current ($T_P = 8/20\mu\text{s}$)	I_{PP}	3.5	A
Junction Temperature	T_J	-55 to +125	°C
Storage temperature	T_{STG}	-55 to +150	°C

Electrical Characteristics

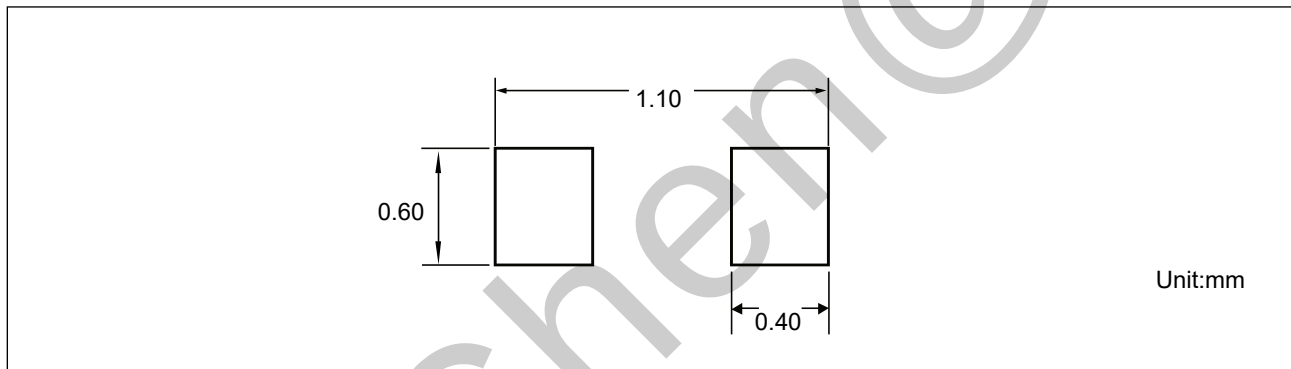
(T_A = 25 °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	V _{RWM}		-	-	15	V
Holding Voltage	V _{BR}	IT = 1mA	15.5	-	18.5	V
Reverse Leakage Current	I _R	VRWM = 15V	-	-	0.1	uA
Clamping Voltage	V _C	IPP = 1A, tp=8/20 μs	-	-	18.9	V
Clamping Voltage	V _C	IPP = 3A, tp=8/20 μs	-	-	22.5	V
Junction Capacitance	C _J	VR=0V, f=1MHz	-	10	-	pF

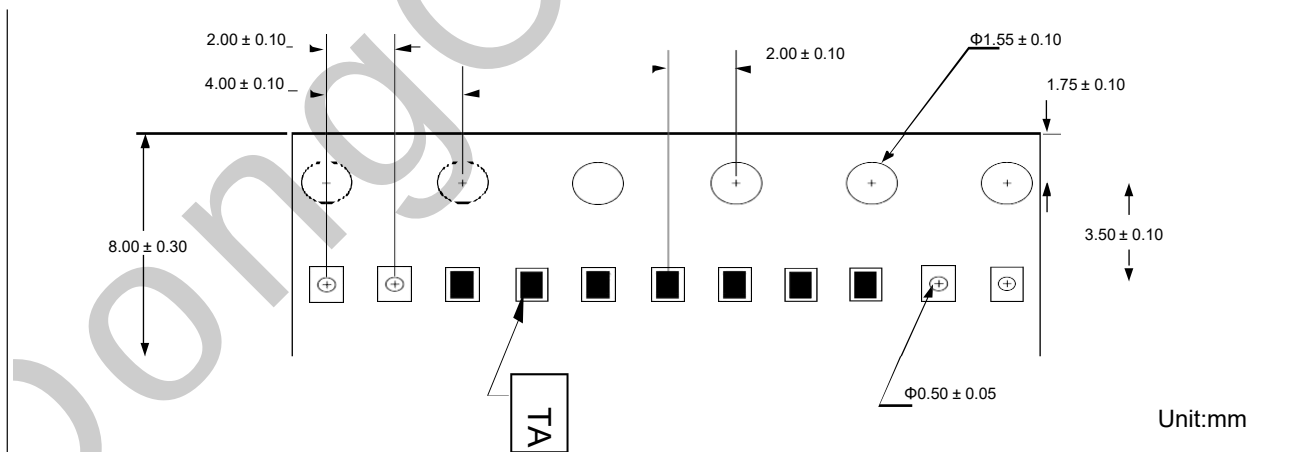
Package Dimensions



Pad Dimensions



Tape and Reel Specification



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All operating parameters, including “Typicals,” must be validated for each customer application by the customer’s technical experts.

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The products listed in this document are designed to be used with ordinary electronic equipment or devices.

Should you intend to use these products with equipment or devices which require an extremely high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, aerospace machinery, nuclear-reactor controllers, fuel controllers, and other safety devices), please be sure to consult with our sales representative in advance.

Head Office

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