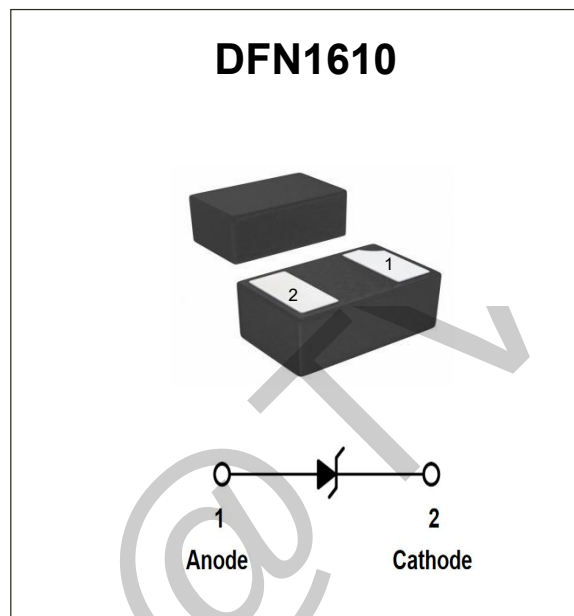


Features

- Body Outline: 1.6 x 1.0 mm, DFN1610-2L
- Low Clamping Voltage
- Reverse Working Voltage: 5.0V
- Low Leakage current
- Response Time < 1 ns
- IEC61000-4-2 Level 4 ESD Protection

Mechanical Data

- Package: DFN1610-2L (1.6 x 1.0 mm)
- Marking: H5N
- Reel: 7", 3,000 pcs / Tape & Reel
- Pb-Free Device



Applications

- Smartphones, tablets, MID and portable devices
- TVs and monitors
- Blu-ray and DVD recorders / players
- Notebooks, main board graphic cards and ports
- Set-top boxes and game consoles

Ordering information

Ordercode	Marking	Package	Packaging option	Base quantity	Packaging specification
DCE5VH16U	H5N	DFN1610-2L	Tape and reel	10000pcs / reel	EIA STD RS-481

Absolute Maximum Ratings

Ratings at 25 °C, ambient temperature unless otherwise specified

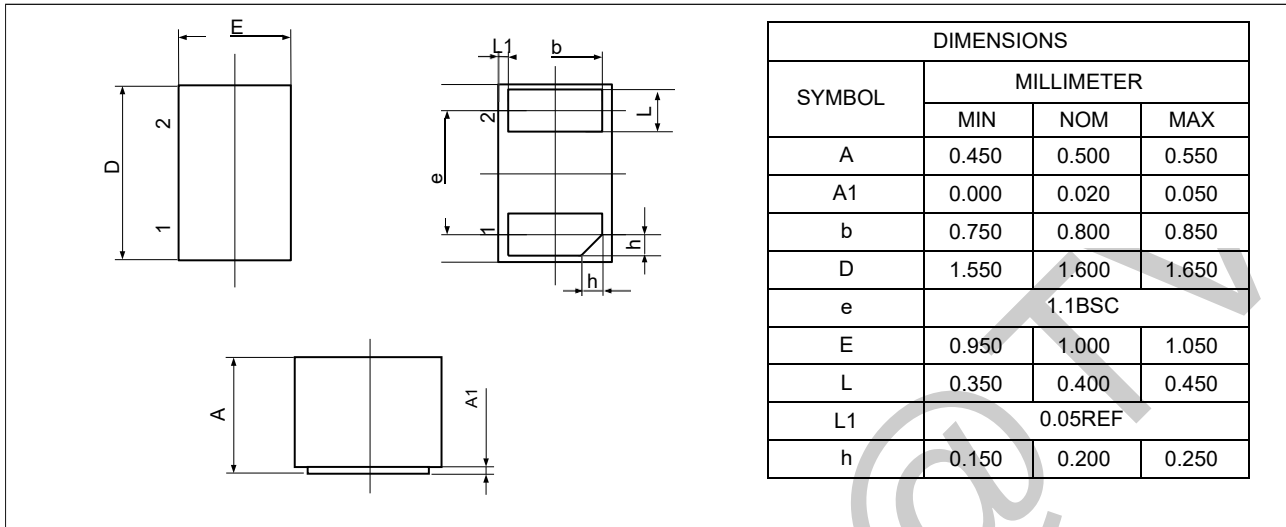
Parameter	Symbol	Value	Unit
Peak Pulse Power ($T_P=8/20\mu s$)	P_{PP}	2000	W
ESD contact/air discharge (IEC-61000-4-2)	V_{ESD}	$\pm 30/-$	kV
Peak Pulse Current ($T_P = 8/20\mu s$)	I_{PP}	130	A
Junction Temperature	T_J	-40 to +85	°C
Operation temperature	T_{OP}	-40 to +85	°C
Lead temperature	T_L	260	°C
Storage temperature	T_{STG}	-55 to +150	°C

Electrical Characteristics

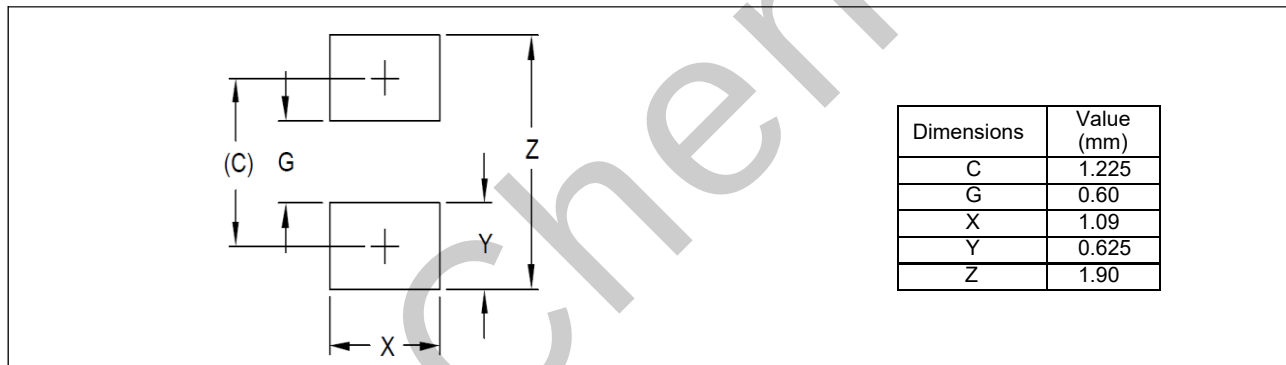
 (T_A = 25 °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	V _{RWM}		-	-	5	V
Holding Voltage	V _{BR}	I _T = 1mA	6.2	-	7.5	V
Reverse Leakage Current	I _R	V _{RWM} = 5V	-	-	0.1	uA
Clamping Voltage	V _C	I _{PP} = 50A, t _p = 8/20μs	-	-	12	V
Clamping Voltage	V _C	I _{PP} = 130A, t _p = 8/20μs	-	-	16	V
Junction Capacitance	C _J	V _R = 0V, f = 1MHz	-	880	1000	pF

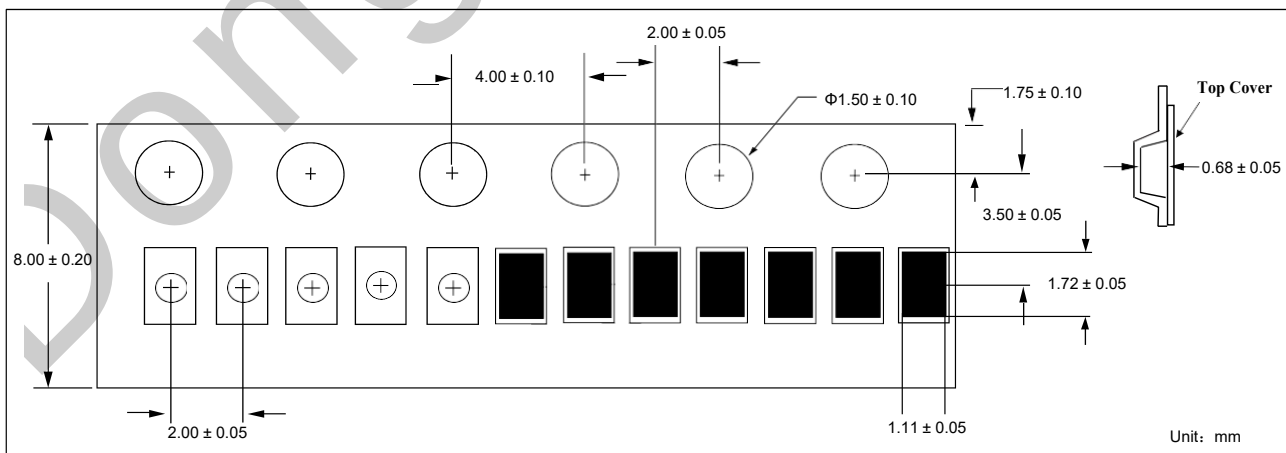
Package Dimensions



Pad Dimensions



Package Information



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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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