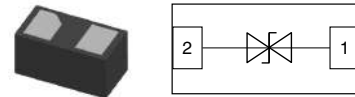


**: YUi fYg**

- 55Watts peak pulse power (tp = 8/20us)
- DFN0603-2 package
- Bidirectional configurations
- Solid-state silicon-avalanche technology
- Low clamping voltage
- Low leakage current
- Medium capacitance (CJ=0.35pF 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)



**A YW Ub]WU`8 UU**

- **7 UgY.** DFN0603-2 (plastic package).  
Lead free; RoHS compliant; Halogen free
- **Ac`X]b[ `7 ca dci bX': `Ua a UV]`]miFU]b[ .**  
UL 94 V-0
- **HYfa ]bUg.** High temperature soldering guaranteed:  
260 °C/10 sec. at terminals

**Applications**

- Cell Phone Handsets and Accessories
- Personal Digital Assistants (PDA's)
- Microprocessor based equipment
- Notebooks, Desktops, and Servers
- Portable Instrumentation

**5 Vgc`i HY`AU ]a i a `FU]b[ g**

Ratings at 25 °C, ambient temperature unless otherwise specified

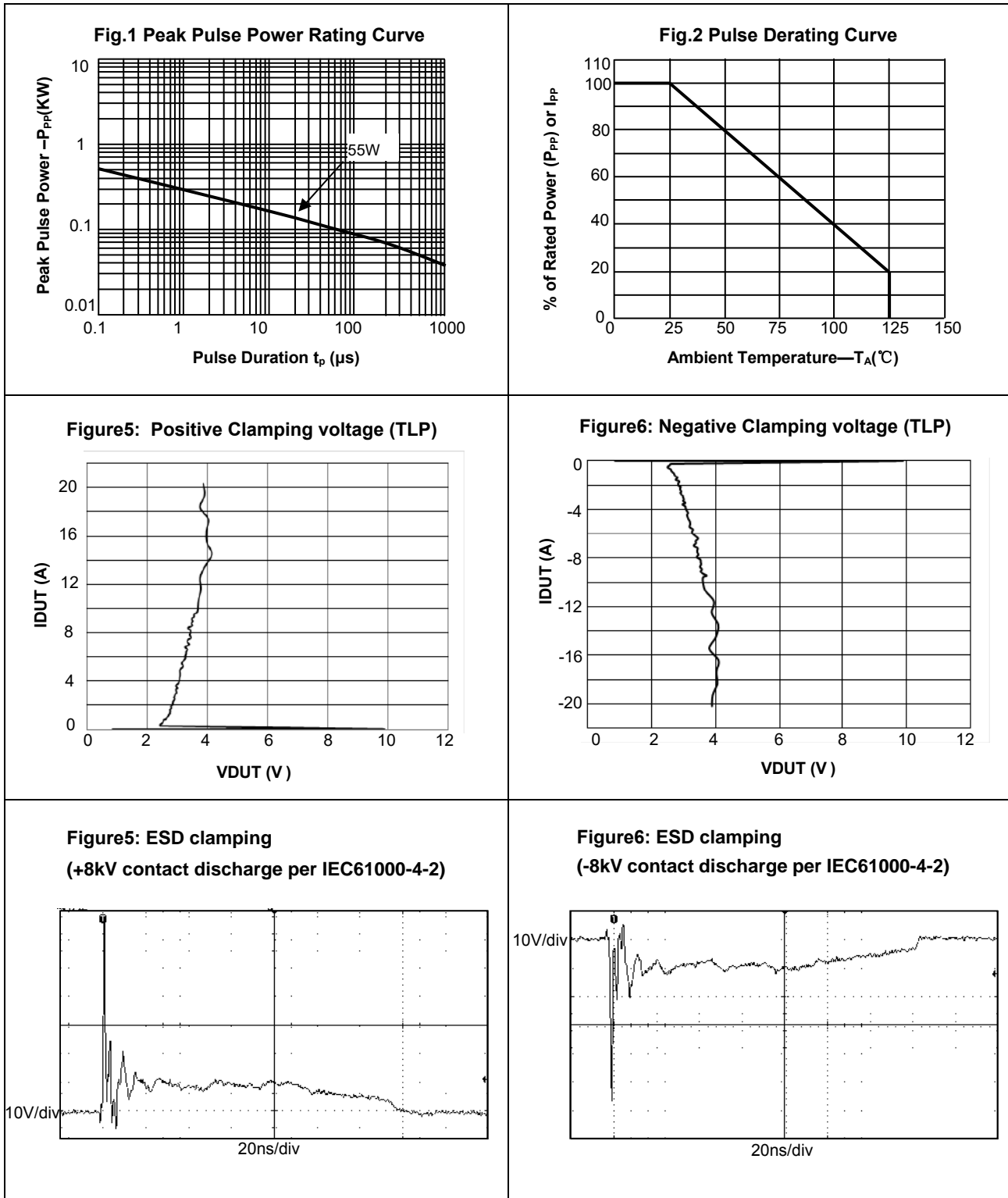
Parameter	Symbol	Value	Unit
Peak Pulse Power (Tp=8/20µS)	P <sub>PP</sub>	55	W
ESD contact/air discharge (IEC-61000-4-2)	V <sub>ESD</sub>	20/20	kV
Peak Pulse Current ( tp = 8/20µS )	I <sub>PP</sub>	10	A
Junction Temperature	T <sub>J</sub>	-55 to +125	°C
Storage temperature	T <sub>STG</sub>	-55 to +150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

**Electrical Characteristics**

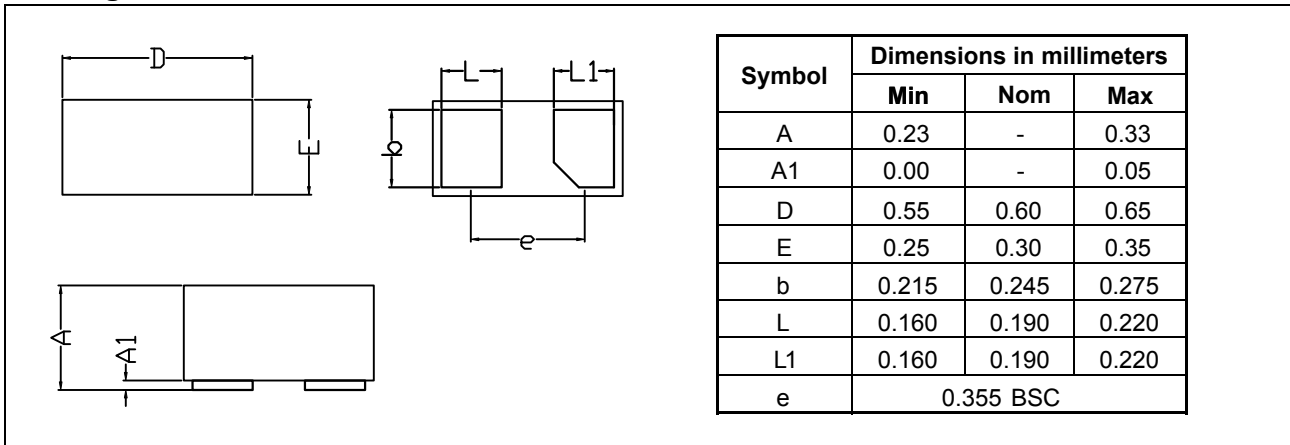
(T<sub>A</sub> = 25 °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	V <sub>RWM</sub>				5.0	V
Holding Voltage	V <sub>H</sub>	I <sub>T</sub> =I <sub>H</sub>		2.1		V
Holding Current	I <sub>H</sub>			6		mA
Reverse Leakage Current	I <sub>R</sub>	V <sub>RWM</sub> =5V			100	nA
Clamping Voltage	V <sub>C</sub>	I <sub>PP</sub> =9A, T <sub>P</sub> =8/20µs			5.0	V
Clamping Voltage(TLP)	V <sub>C</sub>	I <sub>PP</sub> =16A, T <sub>P</sub> =100ns		4		V
Trigger Voltage	V <sub>T</sub>		8		15	V
Dynamic Resistance	R <sub>dyn</sub>	T <sub>P</sub> =100ns		0.075		Ω
Junction Capacitance	C <sub>J</sub>	V <sub>R</sub> =0V, f=1MHz		0.35		pF

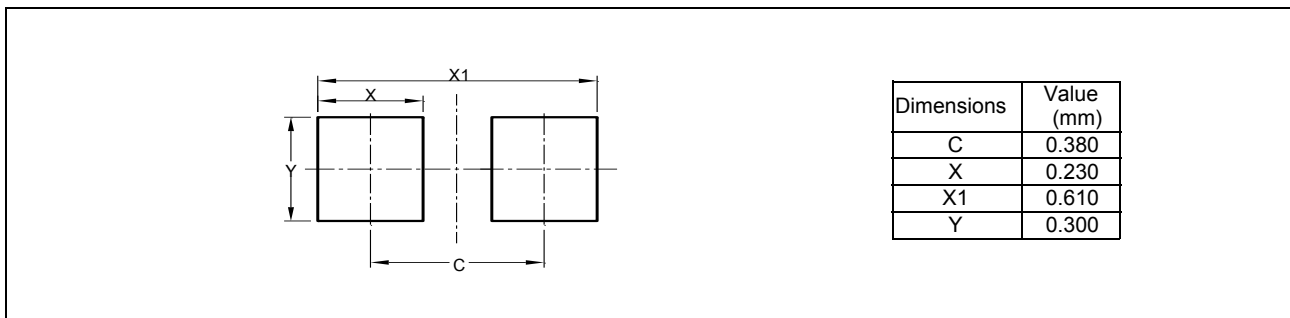
**Typical Characteristics** ( $T_{amb} = 25\text{ }^{\circ}\text{C}$  unless otherwise specified)



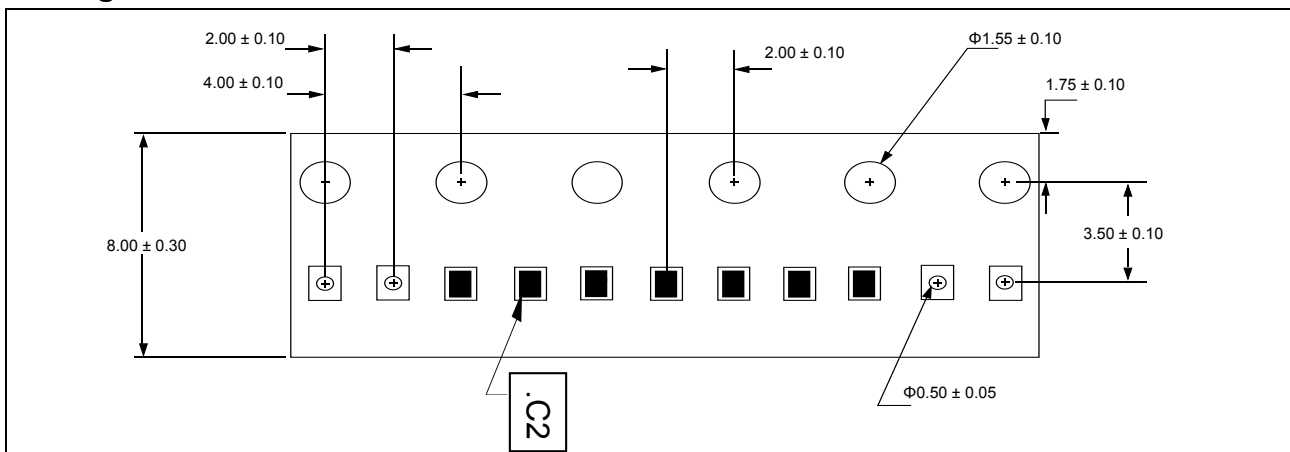
### Package Dimensions



### Pad Dimensions



### Package Information



### Ordering information

Order code	Marking	Package	Packaging option	Base quantity	Packaging specification
YEUD0620510AB	.C2	DFN0603-2	Tape and reel	10000pcs / reel	EIA STD RS-481