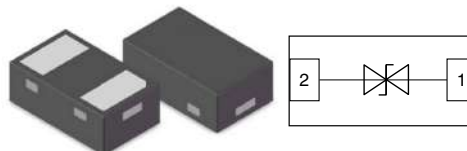


Key Features

- 70Watts peak pulse power (Tp = 8/20us)
- DFN1006-2 package
- Bidirectional configurations
- Solid-state silicon-avalanche technology
- Low clamping voltage
- Low leakage current
- Medium capacitance (CJ=0.5pF typ.)
- Protection one data/power line to:
IEC 61000-4-2 ±15kV contact ±20kV air
IEC 61000-4-4 (EFT) 40A (5/50ns)
IEC 61000-4-5 (Lightning) 9A (8/20µs)



Applications

- **7 Ugy.** DFN1006-2 (plastic package).
Lead free; RoHS compliant; Halogen free
- **Ac`X]b[`7 ca dci bX': `Ua a UW]]miF U]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

Electrical Characteristics

Ratings at 25 °C, ambient temperature unless otherwise specified

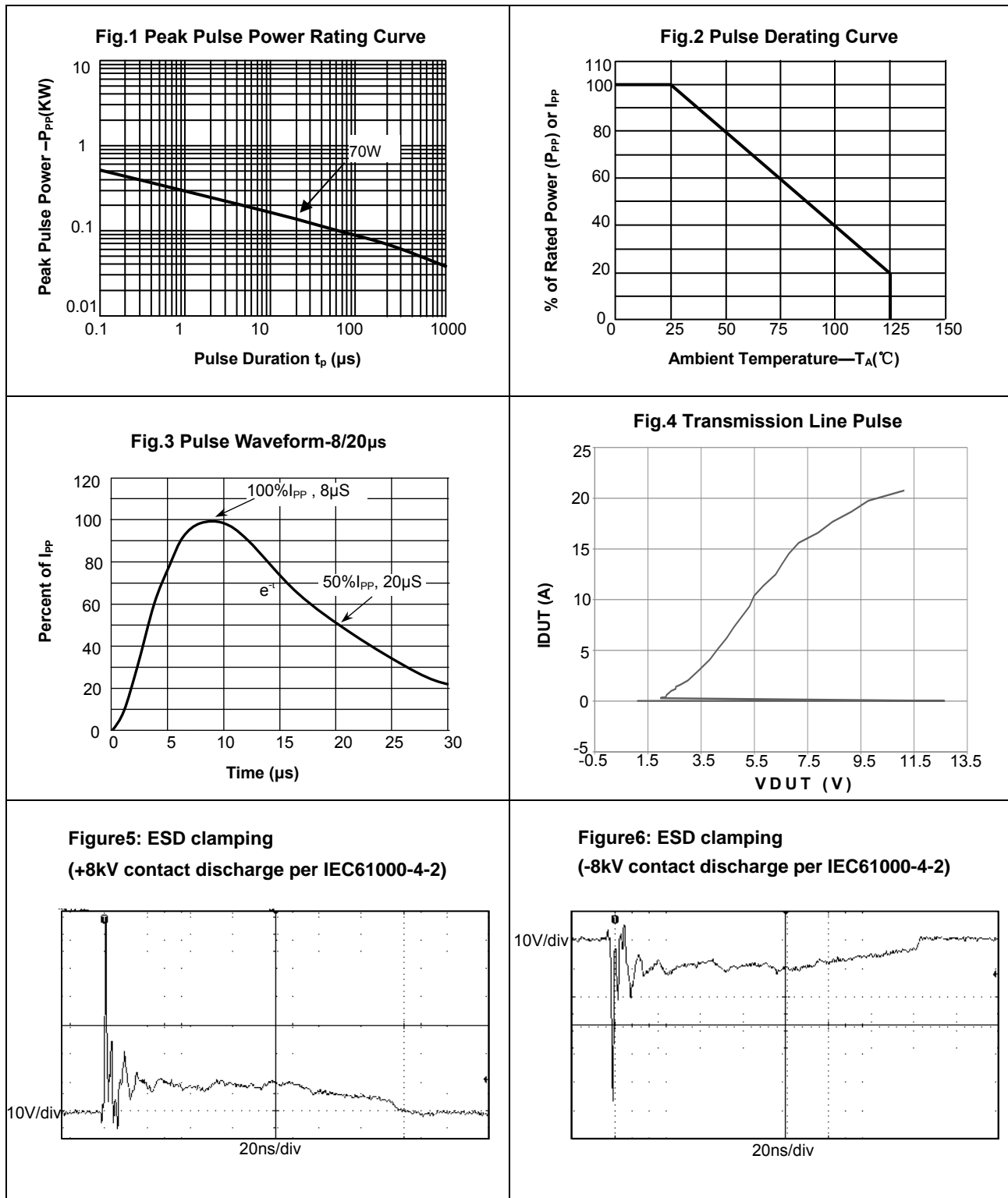
Parameter	Symbol	Value	Unit
Peak Pulse Power (Tp=8/20µs)	P _{PP}	70	W
ESD contact/air discharge (IEC-61000-4-2)	V _{ESD}	15/20	kV
Peak Pulse Current (Tp = 8/20µs)	I _{PP}	9	A
Junction Temperature	T _J	-55 to +125	°C
Storage temperature	T _{STG}	-55 to +125	°C

Electrical Characteristics

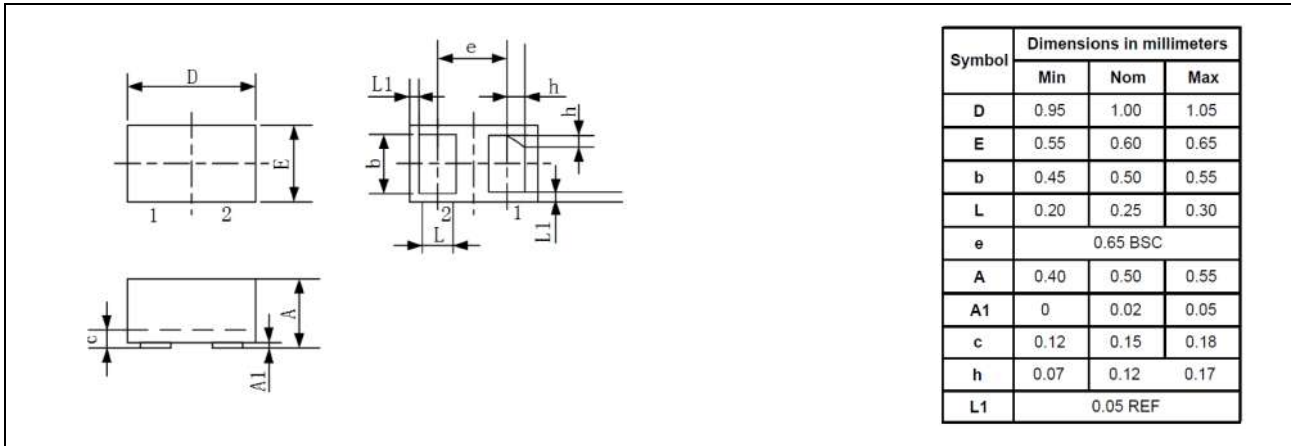
(T_A = 25 °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	V _{RWM}				5.0	V
Holding Voltage	V _H	I _T =I _H	2.0		3.2	V
Holding Current	I _H		15			mA
Reverse Leakage Current	I _R	V _{RWM} =5V			500	nA
Clamping Voltage	V _C	I _{PP} =7A, T _P =8/20µs		6.2	7.5	V
Clamping Voltage(TLP)	V _C	I _{PP} =16A, T _P =100ns			7.5	V
Trigger Voltage	V _T		8		16	V
Dynamic Resistance	R _{dyn}	T _P =100ns		0.25		Ω
Junction Capacitance	C _J	V _R =0V, f=1MHz		0.5		pF

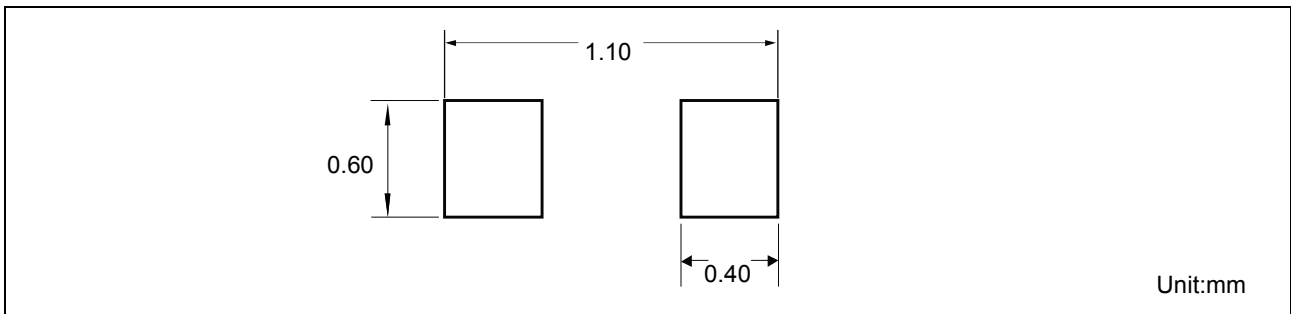
Typical Characteristics ($T_{amb} = 25\text{ }^{\circ}\text{C}$ unless otherwise specified)



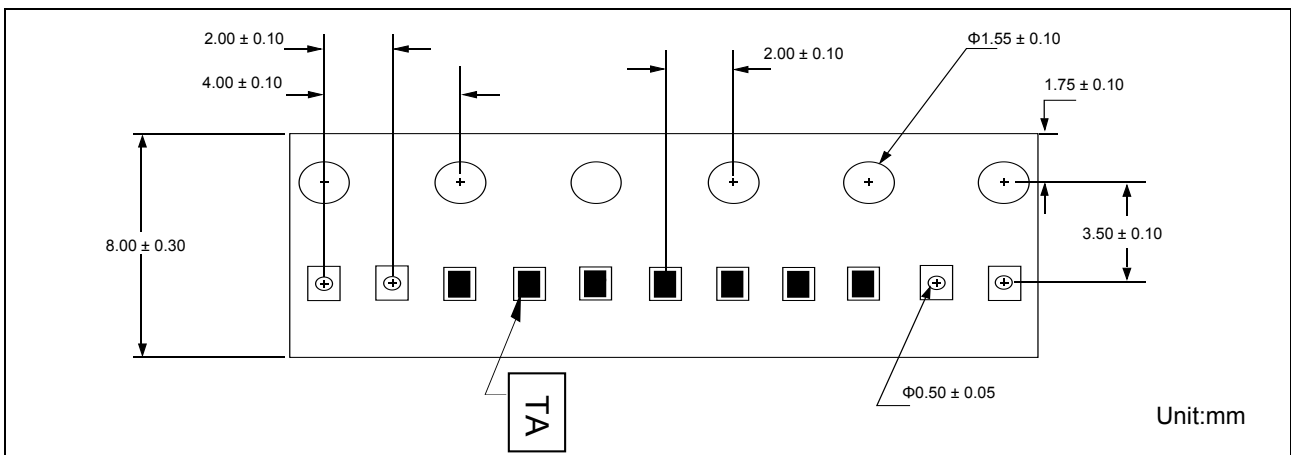
Package Dimensions



Pad Dimensions



Tape and Reel Specification



Ordering information

Order code	Marking	Package	Packaging option	Base quantity	Packaging specification
YEUD1020509AB	TA	DFN1006-2	Tape and reel	10000pcs / reel	EIA STD RS-481