

### Key Features

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



### Key Features

- 70Watts peak pulse power ( $T_P = 8/20\mu s$ )
- DFN1006-2 (plastic package).  
Lead free; RoHS compliant; Halogen free
- UL 94 V-0
- 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

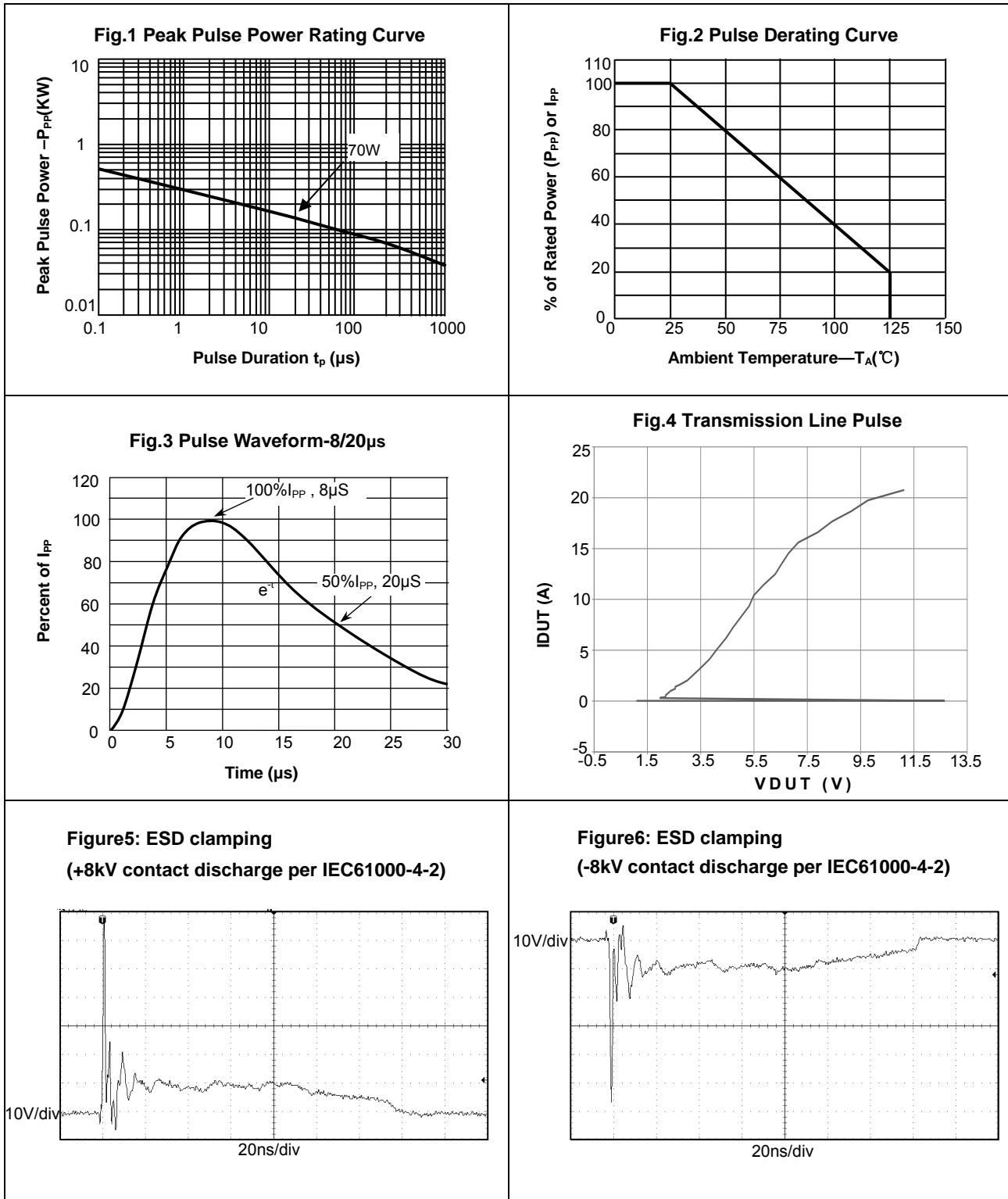
Parameter	Symbol	Value	Unit
Peak Pulse Power ( $T_P=8/20\mu s$ )	$P_{PP}$	70	W
ESD contact/air discharge (IEC-61000-4-2)	$V_{ESD}$	15/20	kV
Peak Pulse Current ( $T_P = 8/20\mu s$ )	$I_{PP}$	9	A
Junction Temperature	$T_J$	-55 to +125	°C
Storage temperature	$T_{STG}$	-55 to +150	°C

### Electrical Characteristics

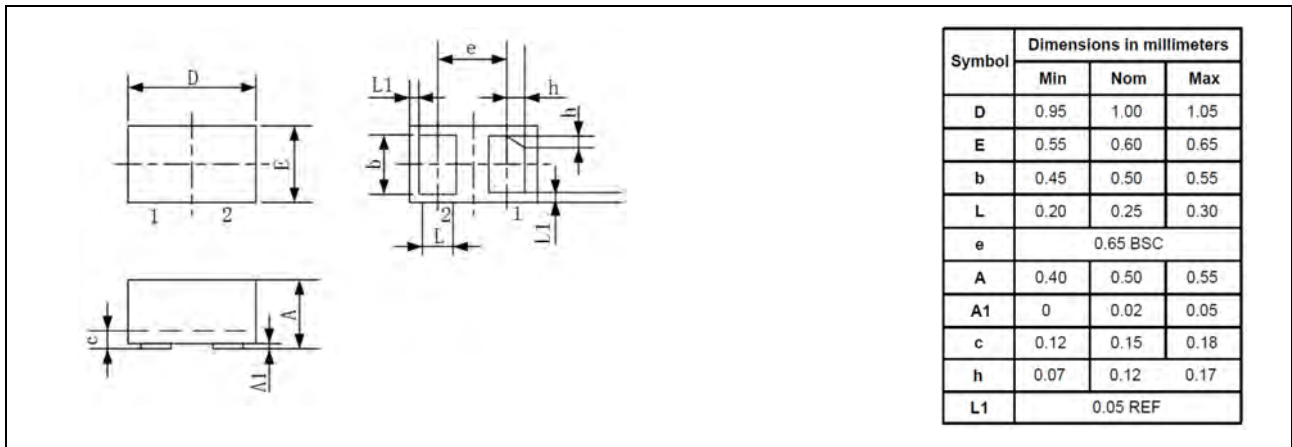
( $T_A = 25$  °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	$V_{RWM}$				3.3	V
Holding Voltage	$V_H$	$I_T=I_H$	2.0		3.5	V
Holding Current	$I_H$		15			mA
Reverse Leakage Current	$I_R$	$V_{RWM}=3.3V$			0.5	uA
Clamping Voltage	$V_C$	$I_{PP}=7A, t_p=8/20\mu s$		6.2		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		$\Omega$
Junction Capacitance	$C_J$	$V_R=0V, f=1MHz$		0.5		pF

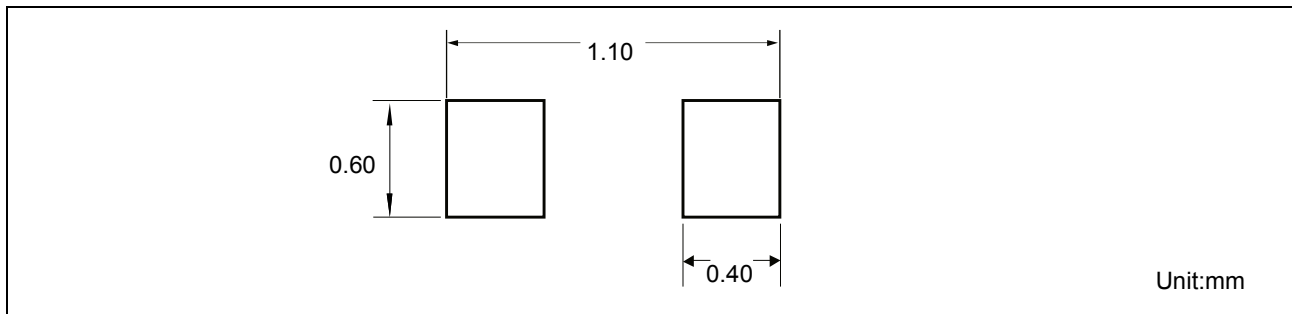
**Typical Characteristics** ( $T_{amb} = 25\text{ }^{\circ}\text{C}$  unless otherwise specified)



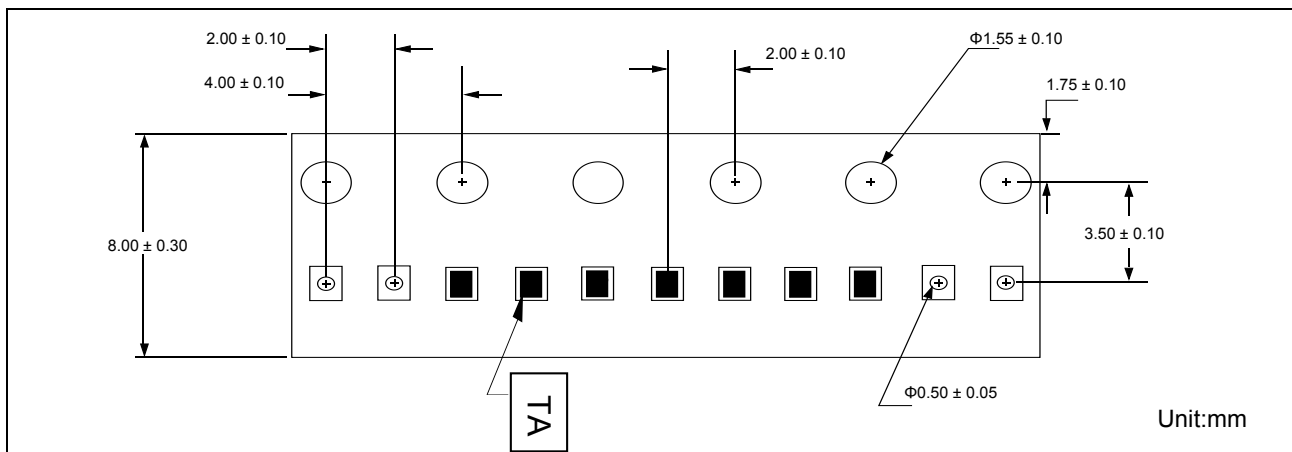
### Package Dimensions



### Pad Dimensions



### Tape and Reel Specification



### Ordering information

Order code	Marking	Package	Packaging option	Base quantity	Packaging specification
YEUD1023R09AB	TA	DFN1006-2	Tape and reel	10000pcs / reel	EIA STD RS-481