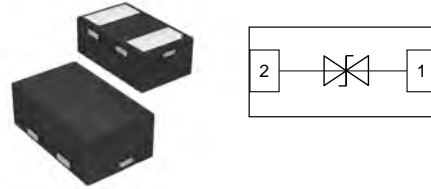


### Key Features

- 350Watts 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 ( $C_j=45pF$  typ.)
- Protection one data/power line to:
  - IEC 61000-4-2  $\pm 30kV$  contact  $\pm 30kV$  air
  - IEC 61000-4-4 (EFT) 40A (5/50ns)
  - IEC 61000-4-5 (Lightning) 19A (8/20 $\mu s$ )



### Product Features

- **7 UqY.** DFN1006-2 (plastic package) free; RoHS compliant; Halogen free
- **A c`X]b[ `7 ca dci bX: `Ua a UJ] ]miF U]b[ .** UL 94 V-0
- **Hyfa ]bUg.** High temperature soldering guaranteed: 260 °C/10 sec. at terminals

### Applications

- Audio Line, Speaker, Headset, Microphone Protection
- Human Interface Devices (Keyboard, Touchpad, Buttons)

### 5 Vgc`i hY`AU ]a i a `FU]b[ g

Ratings at 25 °C, ambient temperature unless otherwise specified

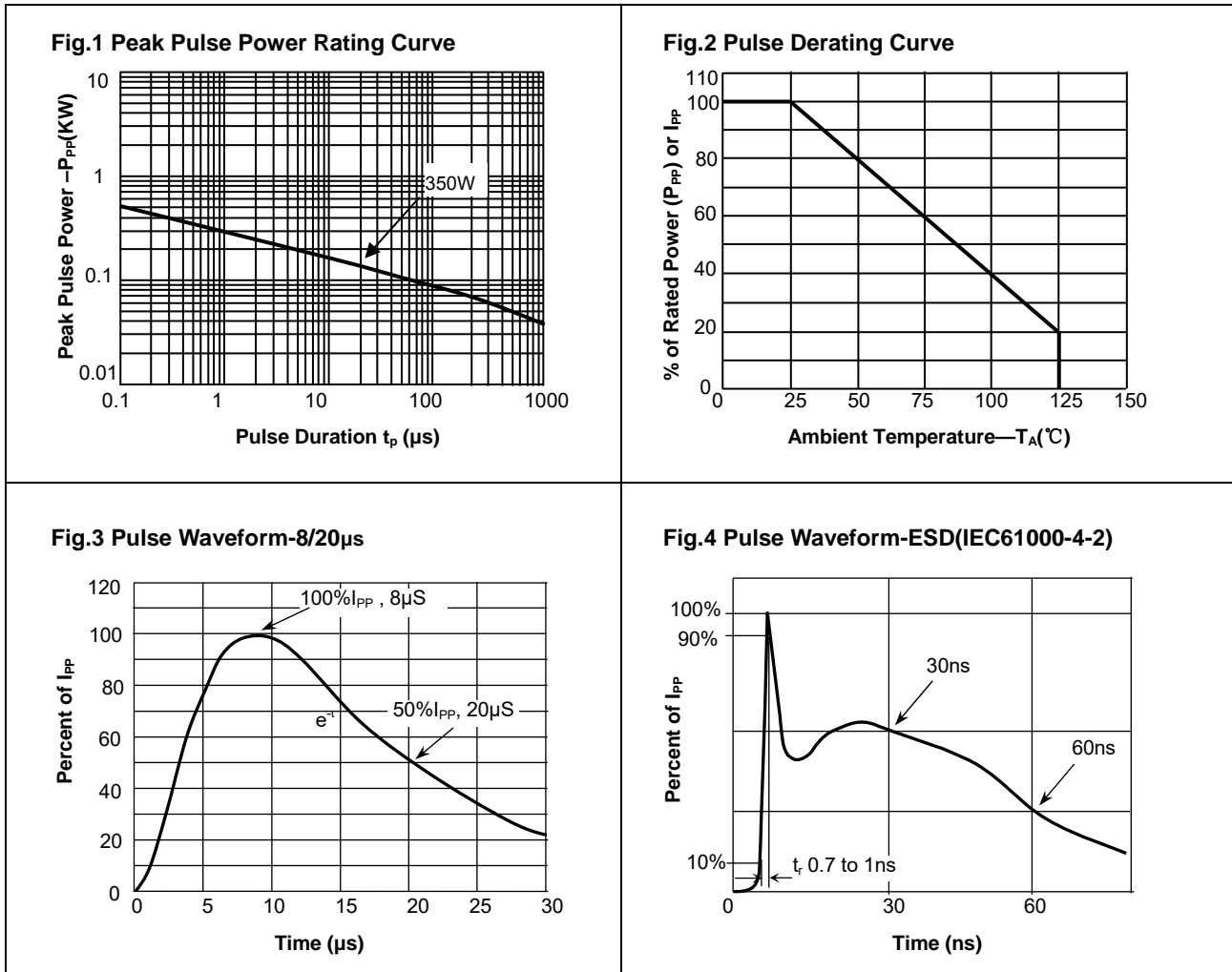
Parameter	Symbol	Value	Unit
Peak Pulse Power ( $T_P=8/20\mu s$ )	$P_{PP}$	350	W
ESD contact/air discharge (IEC-61000-4-2)	$V_{ESD}$	30/30	kV
Peak Pulse Current ( $T_P = 8/20\mu s$ )	$I_{PP}$	19	A
Junction Temperature	$T_J$	-55 to +125	°C
Storage temperature	$T_{STG}$	-55 to +150	°C

### Electrical Characteristics

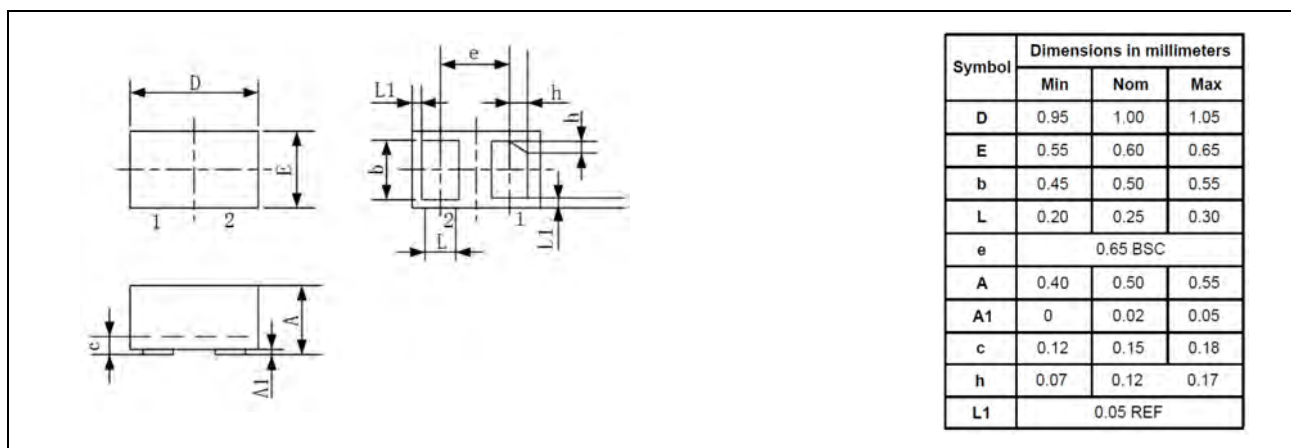
( $T_A = 25$  °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	$V_{RWM}$				8.0	V
Reverse Breakdown Voltage	$V_{BR}$	$I_T=1mA$	9.0			V
Reverse Leakage Current	$I_R$	$V_R=8V$		0.1	0.5	$\mu A$
Clamping Voltage (IEC 61000-4-5)	$V_C$	$I_{PP}=19A$		19		V
Junction Capacitance	$C_J$	$V_R=0V, f=1MHz$		45		pF

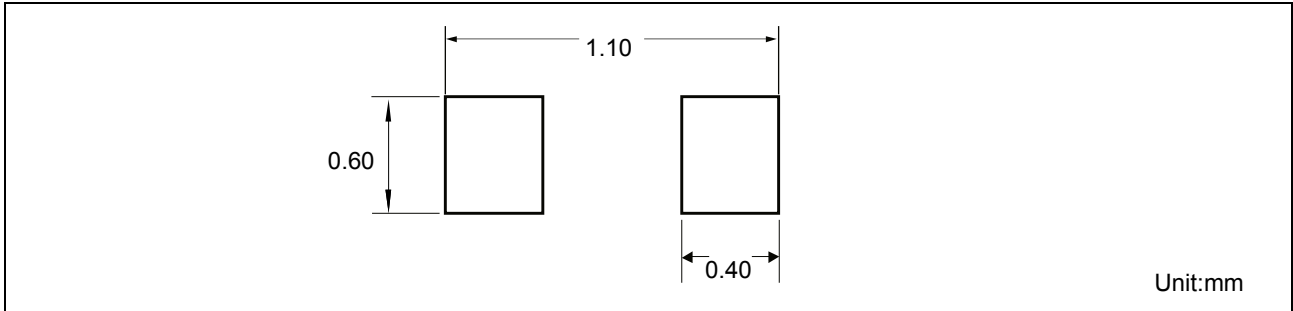
**Typical Characteristics** ( $T_{amb} = 25\text{ }^{\circ}\text{C}$  unless otherwise specified)



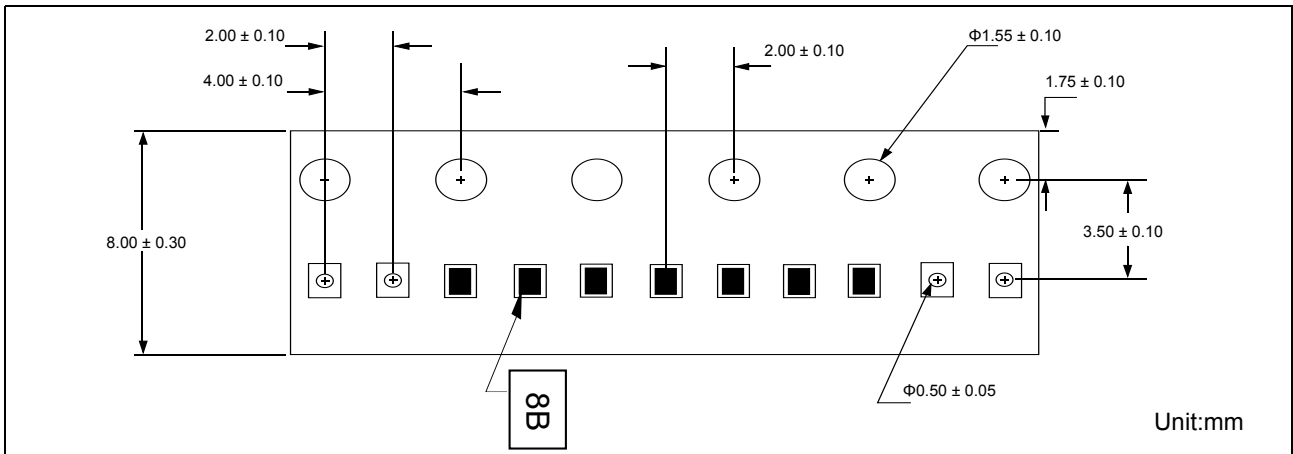
**Package Dimensions**



**Pad Dimensions**



**Tape and Reel Specification**



**Marking**



**Ordering information**

Order code	Package	Packaging option	Base quantity	Packaging specification
YEDD1020819AG	DFN1006-2	Tape and reel	10000pcs / reel	EIA STD RS-481