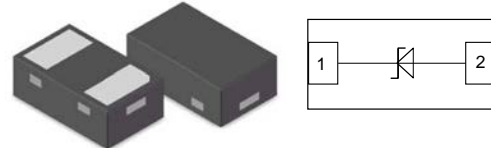


### Features

- 260Watts peak pulse power ( $T_P = 8/20\mu s$ )
- DFN1006-2 package
- Uni-directional configurations
- Low clamping voltage
- Low leakage current
- Normal capacitance ( $C_j=35pF$  typ.)
- Protection one data/power line to:
  - ISO 10605  $\pm 15KV$  contact  $\pm 25KV$  air
  - IEC 61000-4-4 (EFT) 40A (5/50ns)
  - IEC 61000-4-5 (Lightning) 6A (8/20 $\mu s$ )
- AEC-Q101 Qualified



### Mechanical Data

- **Case:** DFN1006-2 (plastic package).  
Lead free; RoHS compliant; Halogen free
- **Molding Compound Flammability Rating:**  
UL 94 V-0
- **Terminals:** 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

### Absolute Maximum Ratings

Ratings at 25 °C, ambient temperature unless otherwise specified

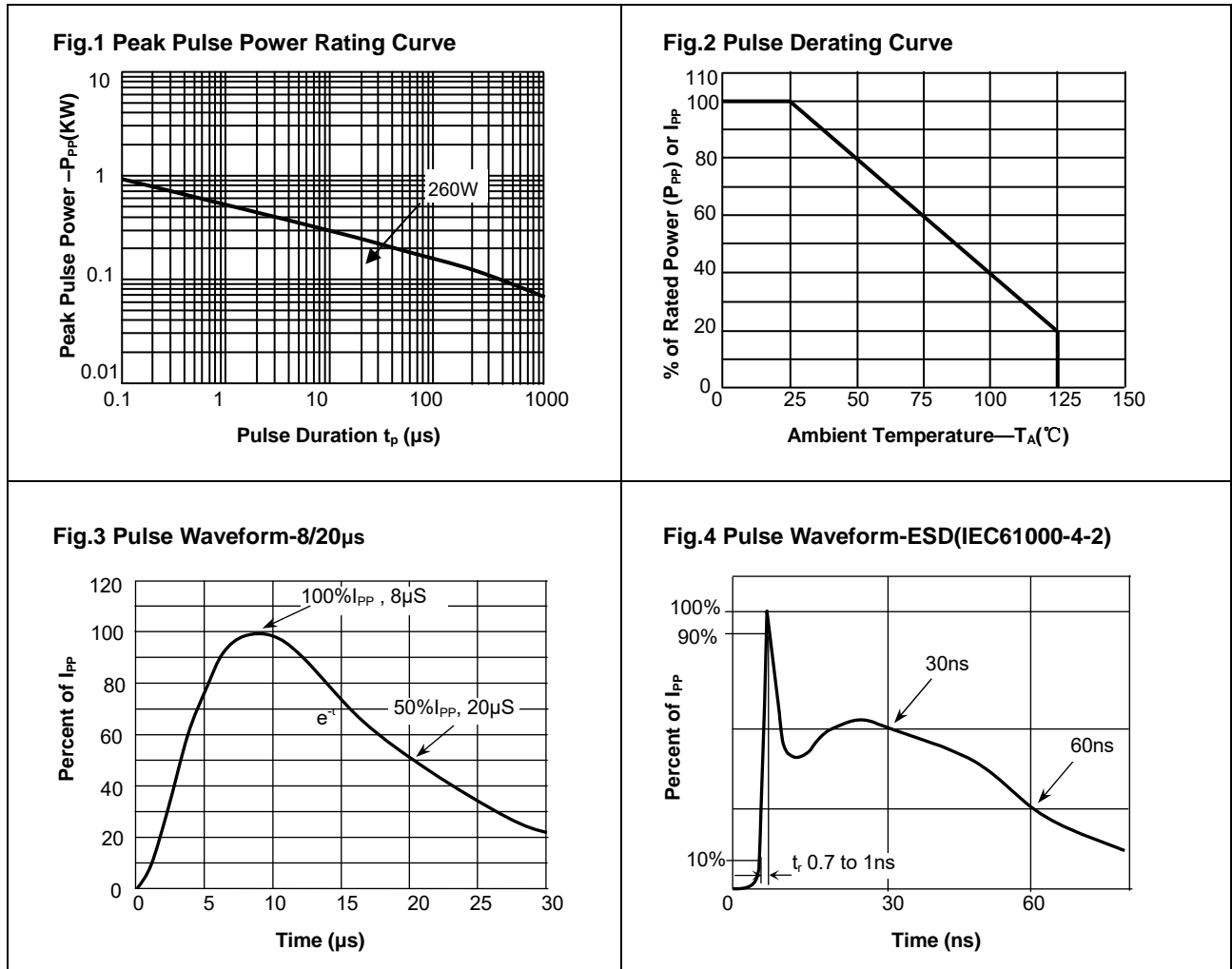
Parameter	Symbol	Value	Unit
Peak Pulse Power ( $T_P=8/20\mu s$ )	$P_{PP}$	260	W
ESD contact/air discharge (ISO 10605)	$V_{ESD}$	15/25	kV
Peak Pulse Current ( $T_P = 8/20\mu s$ )	$I_{PP}$	6	A
Junction Temperature	$T_J$	-55 to +125	°C
Storage temperature	$T_{STG}$	-55 to +150	°C

### Electrical Characteristics

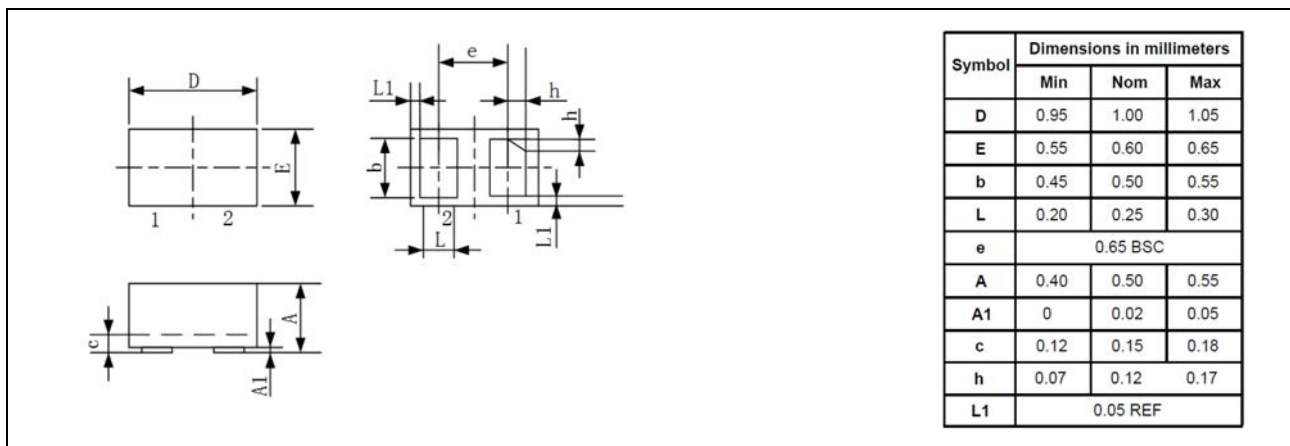
( $T_A = 25$  °C unless otherwise specified)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	$V_{RWM}$				24	V
Reverse Breakdown Voltage	$V_{BR}$	$I_T=1mA$	26.7			V
Reverse Leakage Current	$I_R$	$V_R=24V, T=25$ °C			0.5	$\mu A$
Clamping Voltage (IEC 61000-4-5)	$V_C$	$I_{PP}=6A, T_P=8/20\mu s$			44	V
Junction Capacitance	$C_J$	$V_R=0V, f=1MHz$		35		pF

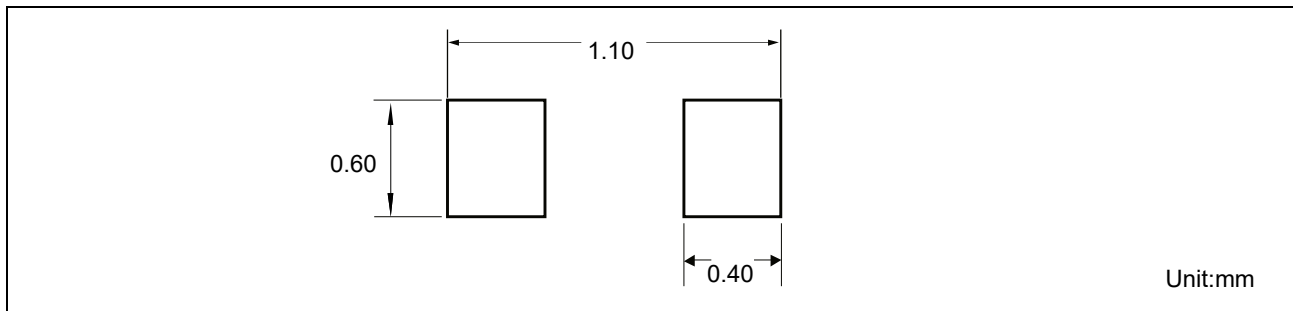
**Typical Characteristics** ( $T_{amb} = 25\text{ }^{\circ}\text{C}$  unless otherwise specified)



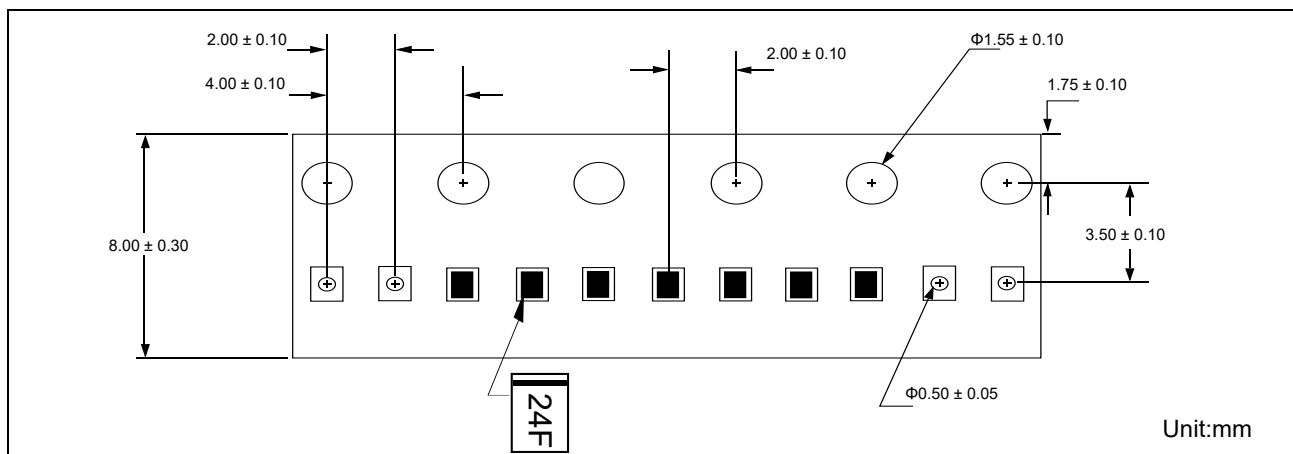
**Package Dimensions**



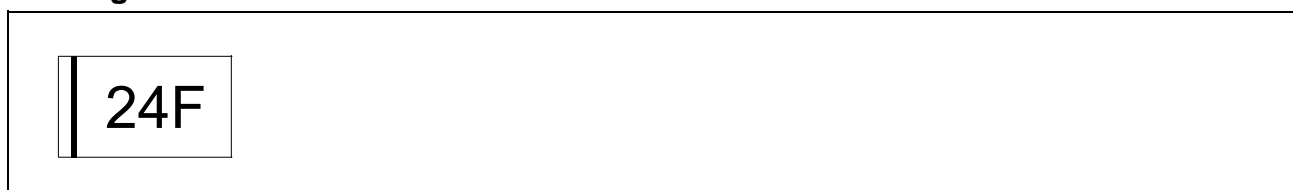
### Pad Dimensions



### Tape and Reel Specification



### Marking



### Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification
YEDD1022406AQ	DFN1006-2	Tape and reel	10000pcs / reel	EIA STD RS-481