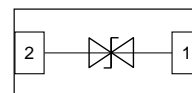


Key Features

- 220Watts 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 ($C_J = 15pF$ 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) 5.5A (8/20 μs)



Applications

- Cellular Handsets & Accessories
- Personal Digital Assistants (PDAs)
- Notebooks & Handhelds
- Portable Instrumentation

Electrical Characteristics

($T_A = 25^\circ C$ unless otherwise specified)

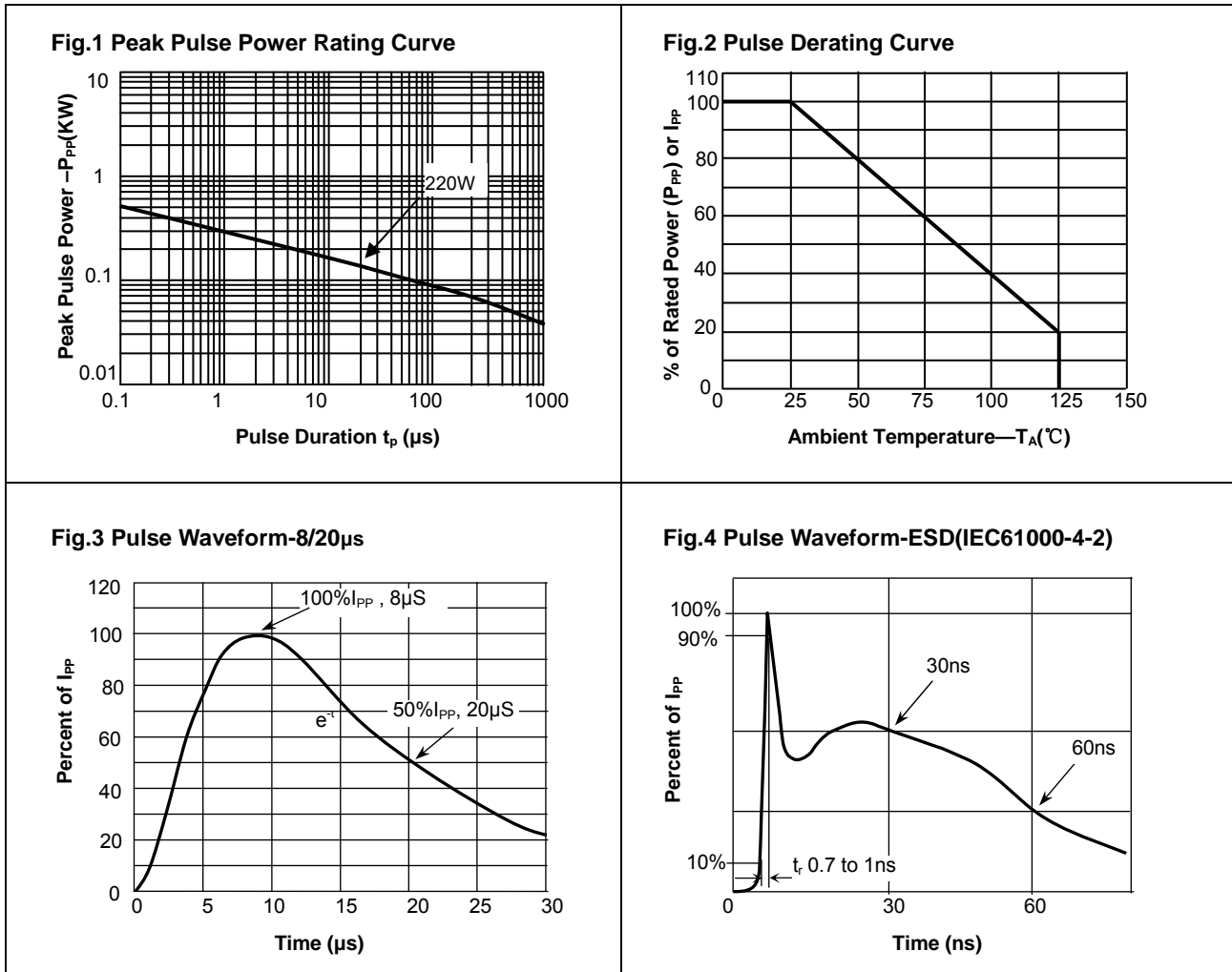
| Parameter | Symbol | Value | Unit |
|---|-----------|-------------|------------|
| Peak Pulse Power ($T_P = 8/20\mu s$) | P_{PP} | 220 | W |
| ESD contact/air discharge (IEC-61000-4-2) | V_{ESD} | 30/30 | kV |
| Peak Pulse Current ($T_P = 8/20\mu s$) | I_{PP} | 5.5 | A |
| Junction Temperature | T_J | -55 to +125 | $^\circ C$ |
| Storage temperature | T_{STG} | -55 to +150 | $^\circ C$ |

Electrical Characteristics

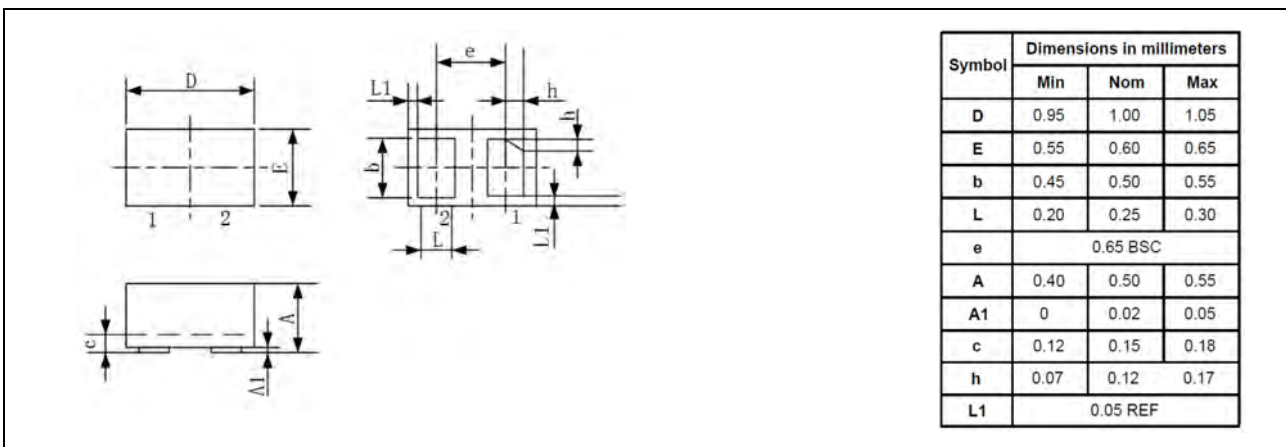
($T_A = 25^\circ C$ unless otherwise specified)

| Parameter | Symbol | Condition | Min | Typ | Max | Unit |
|----------------------------------|-----------|----------------------|------|-----|------|---------|
| Reverse stand-off Voltage | V_{RWM} | | | | 18.0 | V |
| Reverse Breakdown Voltage | V_{BR} | $I_T = 1mA$ | 19.5 | | | V |
| Reverse Leakage Current | I_R | $V_R = 18V$ | | | 0.5 | μA |
| Clamping Voltage (IEC 61000-4-5) | V_C | $I_{PP} = 5.5A$ | | | 35 | V |
| Junction Capacitance | C_J | $V_R = 0V, f = 1MHz$ | | 15 | | pF |

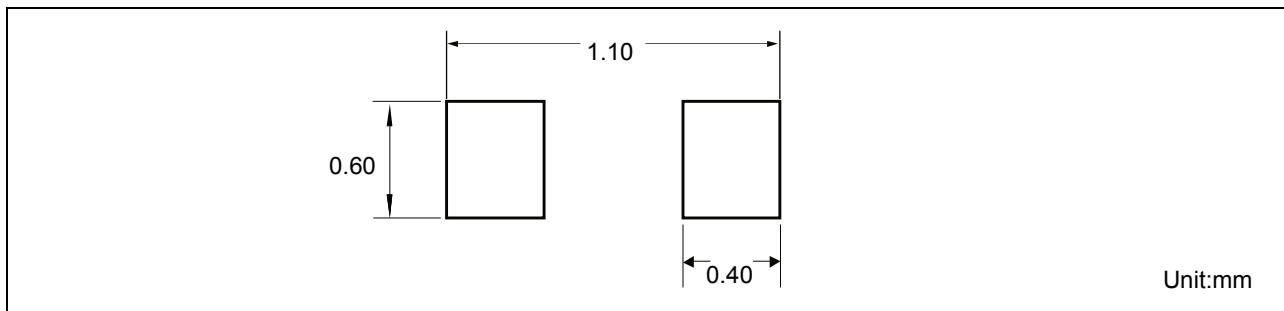
Typical Characteristics ($T_{amb} = 25\text{ }^{\circ}\text{C}$ unless otherwise specified)



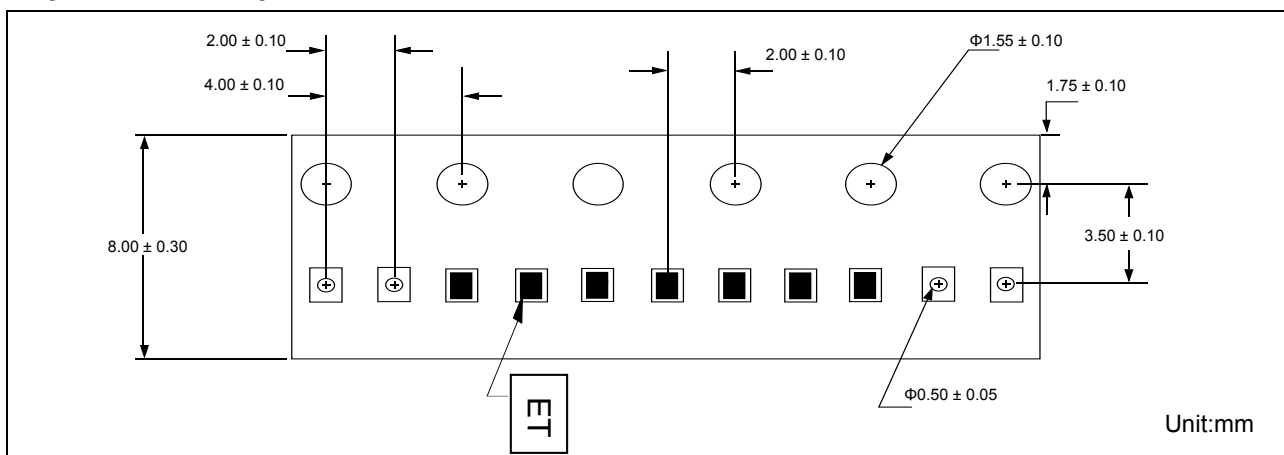
Package Dimensions



Pad Dimensions



Tape and Reel Specification



Ordering information

| Order code | Marking | Package | Packaging option | Base quantity | Packaging specification |
|---------------|---------|-----------|------------------|-----------------|-------------------------|
| YEDD102185A5G | ET | DFN1006-2 | Tape and reel | 10000pcs / reel | EIA STD RS-481 |