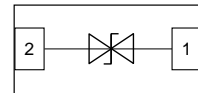


Key Features

- 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)

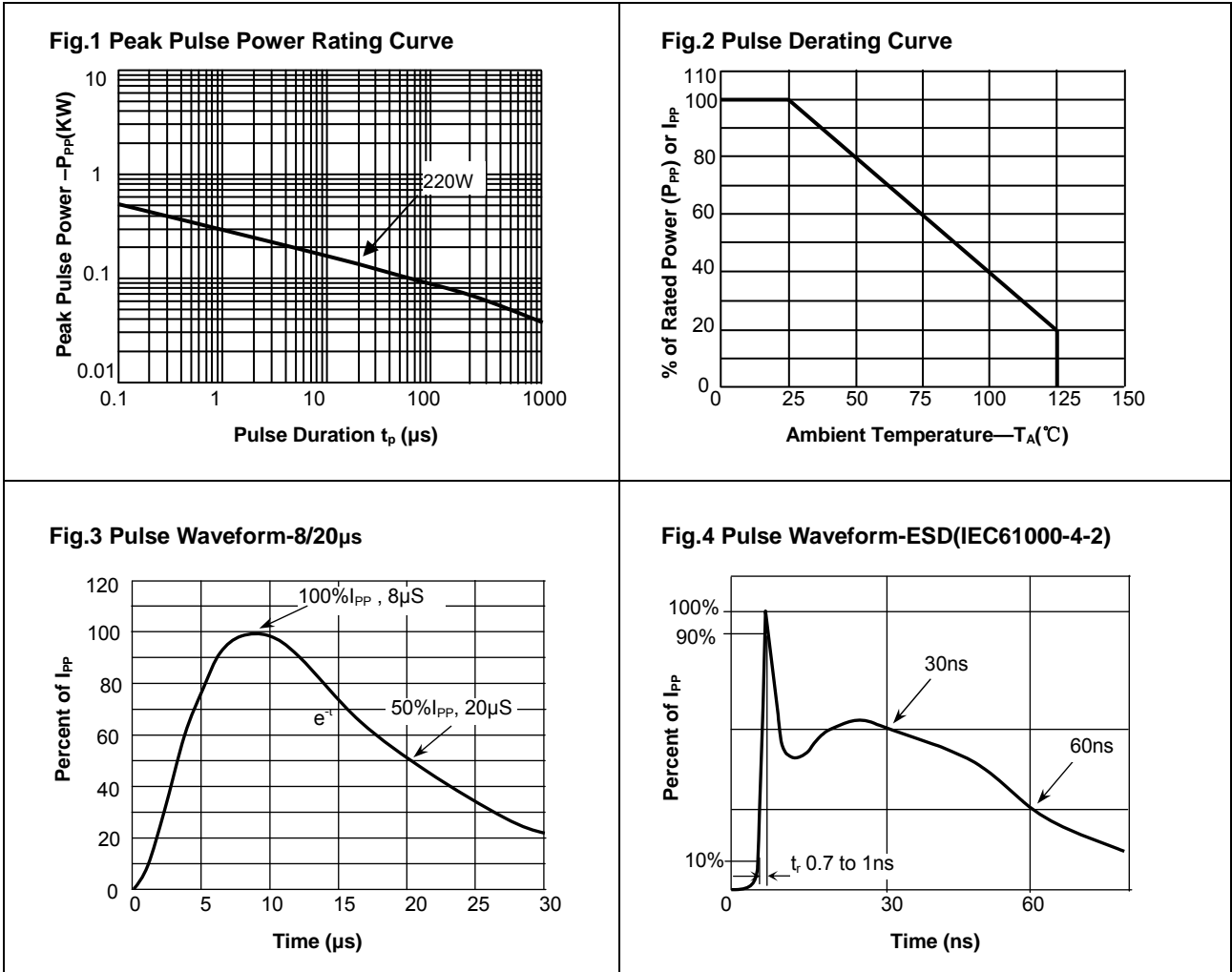
Parameter	Symbol	Value	Unit
Peak Pulse Power ($T_P = 8/20\mu s$)	P_{PP}	220	W
ESD contact/air discharge (IEC-61000-4-2)	V_{ESD}	30/30	kV
Peak Pulse Current ($T_P = 8/20\mu s$)	I_{PP}	5.5	A
Junction Temperature	T_J	-55 to +125	$^\circ C$
Storage temperature	T_{STG}	-55 to +150	$^\circ C$

Electrical Characteristics

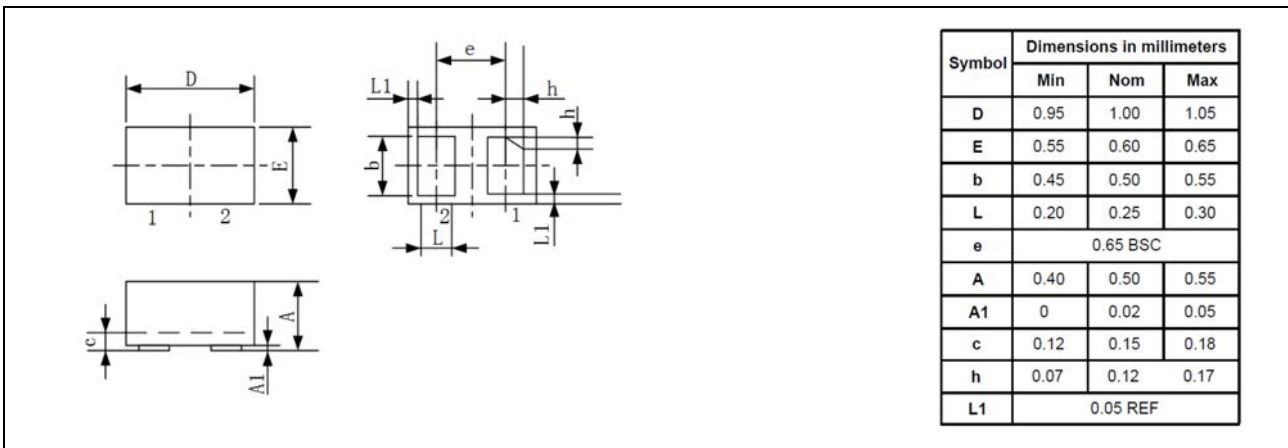
($T_A = 25^\circ C$ unless otherwise specified)

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

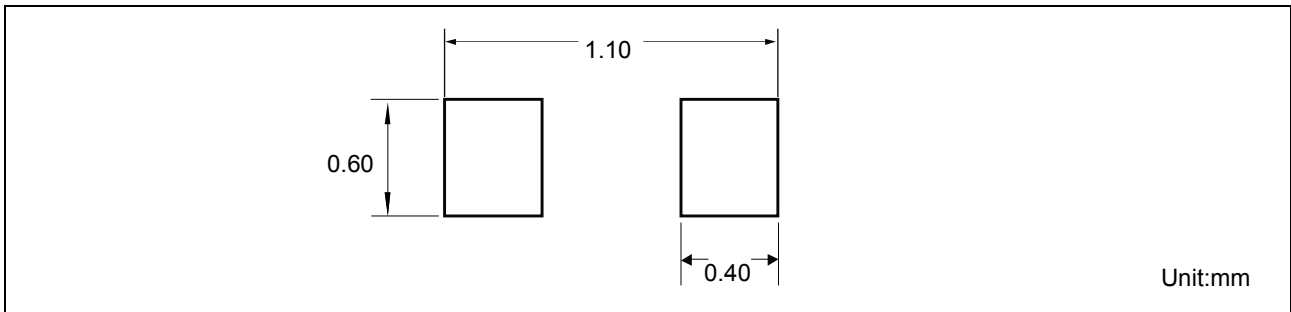
Typical Characteristics ($T_{amb} = 25\text{ }^{\circ}\text{C}$ unless otherwise specified)



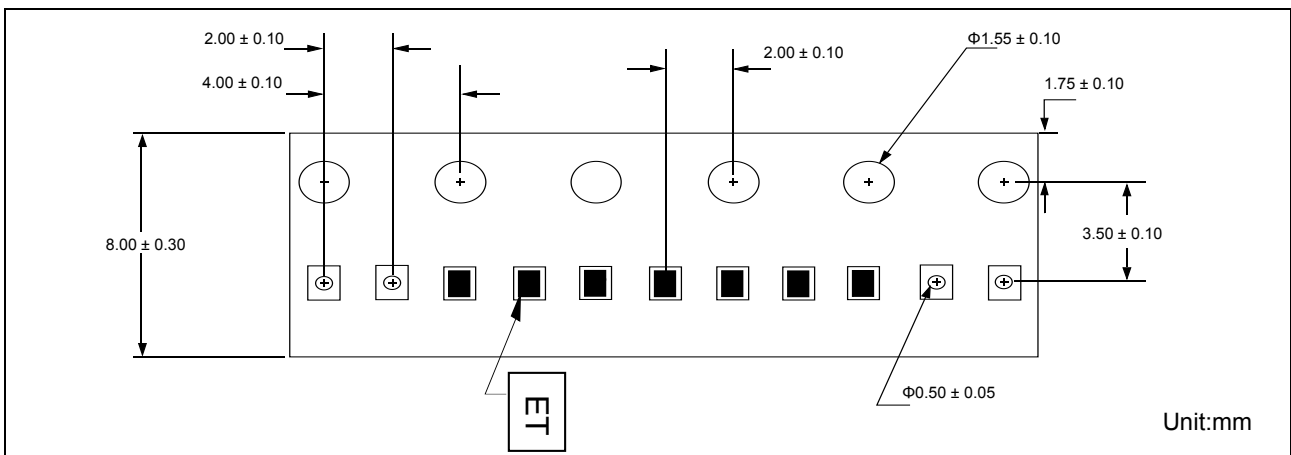
Package Dimensions



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