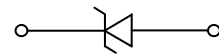


Features

- 88Watts peak pulse power (tp = 8/20µs)
- DFN1006 Package
- Unidirectional configurations
- Low clamping voltage
- Low leakage current
- Low capacitance
- Protection one data/power line to:
 IEC 61000-4-2 ±30kV contact ±30kV air
 IEC 61000-4-4 (EFT) 40A (5/50ns)
 IEC 61000-4-5 (Lightning) 11A (8/20µs)



DFN1006



Schematic Diagram

Applications

- Cellular handsets & accessories
- Portable instrumentation
- Notebooks & Desktop computers
- Internet of Things (IOT) devices

Absolute Maximum Ratings (T_A=25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
Peak Pulse Power (T _p =8/20µS)	P _{PP}	88	W
ESD Contact/Air Discharge (IEC-61000-4-2)	V _{ESD}	30/30	kV
Peak Pulse Current (T _p =8/20µS)	I _{PP}	11	A
Maximum Lead Solder Temperature (10 Second Duration)	T _L	260	°C
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}	-	-	-	1.8	V
Reverse Breakdown Voltage	V _{BR}	I _T =1mA	2.2	-	-	V
Reverse Leakage Current	I _R	V _R =1.8V	-	-	0.05	uA
Clamping Voltage (IEC 61000-4-5)	V _C	I _{PP} =1A	-	3.5	-	V
		I _{PP} =11A	-	7.5	8	V
Junction Capacitance	C _J	V _R =0V, f=1MHz	-	20	-	pF

Typical Characteristic Curves

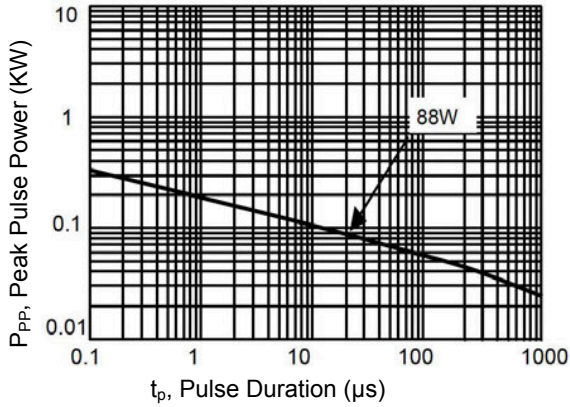


Figure 1. Peak Pulse Power Rating Curve

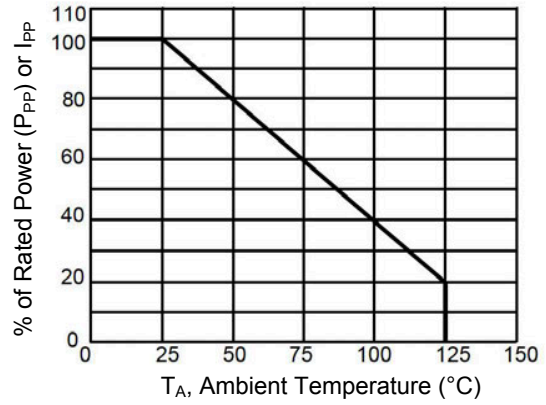


Figure 2. Pulse Derating Curve

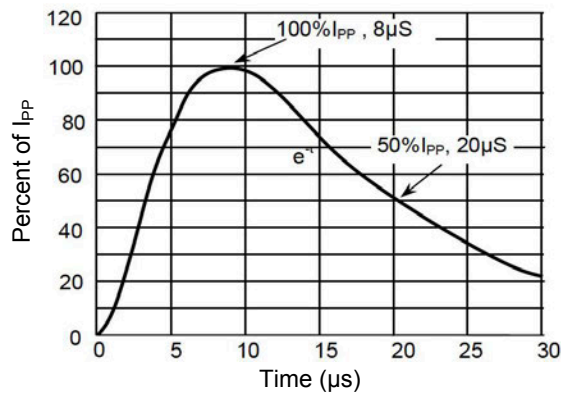


Figure 3. Pulse Waveform - 8/20µs

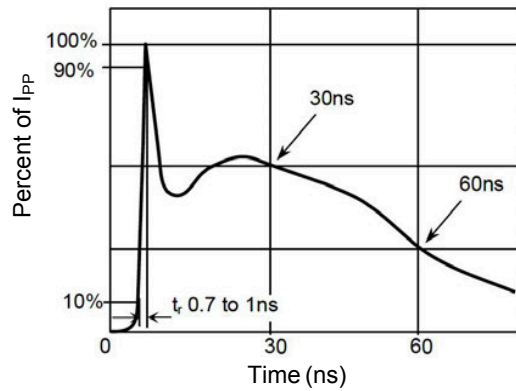
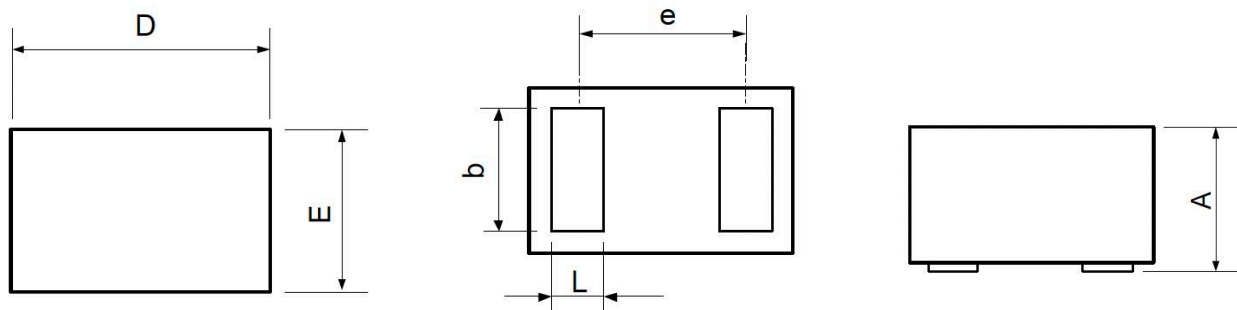


Figure 4. Pulse Waveform - ESD (IEC61000-4-2)

Package Outline Dimensions (DFN1006)



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
D	0.950	1.050	0.037	0.041
E	0.550	0.650	0.022	0.026
A	0.450	0.550	0.018	0.022
b	0.450	0.550	0.018	0.022
L	0.200	0.300	0.008	0.012
e	0.650 BSC		0.026 BSC	

Order Information

Device	Package	Marking	Quantity	HSF Status
GSEZ1U200	DFN1006	A	10,000pcs / Reel	RoHS Compliant