

## ➤ General Description

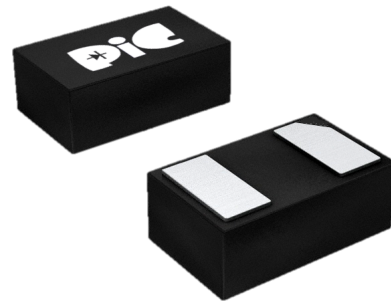
The PAE3321EU is designed with latest Punch-Through process TVS technology to protect voltage sensitive components from ESD. Excellent clamping capability, low leakage, and fast response time provide best in class protection on designs that are exposed to ESD. Because of its small size, it is suited for use in cellular phones, MP3 players, digital cameras and many other portable applications where board space comes at a premium.

It has been specifically designed to protect sensitive components which are connected to data and transmission lines from overvoltage caused by ESD(electrostatic discharge), and EFT (electrical fast transients).

## ➤ Feature

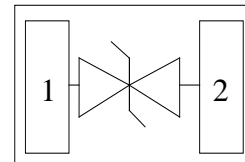
- Single-channel ESD protection
- Low clamping voltage
- 3.3V low operating voltage
- Reliable silicon device avalanche breakdown Structure

## ➤ DFN-1006



## ➤ Application

- Cell phone handsets and accessories
- Personal Digital Assistants (PDAs)
- Portable Instrumentation
- Digital Cameras

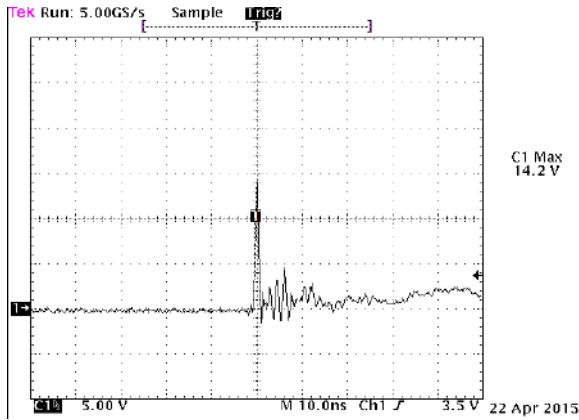


## ➤ Protection solution to meet

- IEC61000-4-2 (ESD) ±8 kV (contact), ±15kV (air)
- IEC61000-4-4 (EFT) 40A (5/50ns)

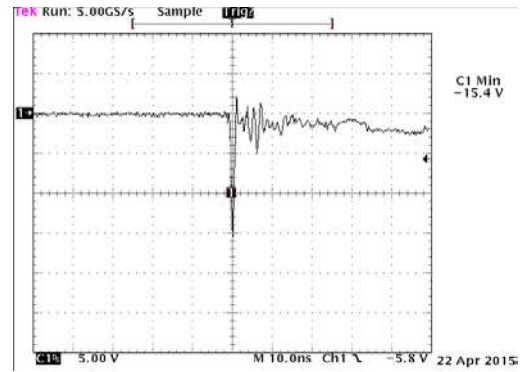


## ➤ Typical Characteristics



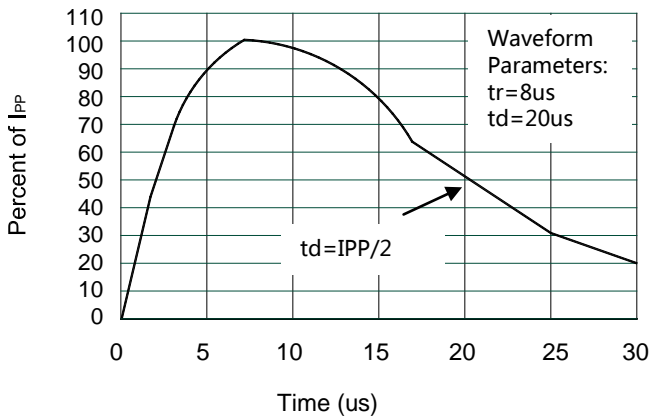
**ESD clamp voltage**

Positive 8KV IEC61000-4-2 contact discharge

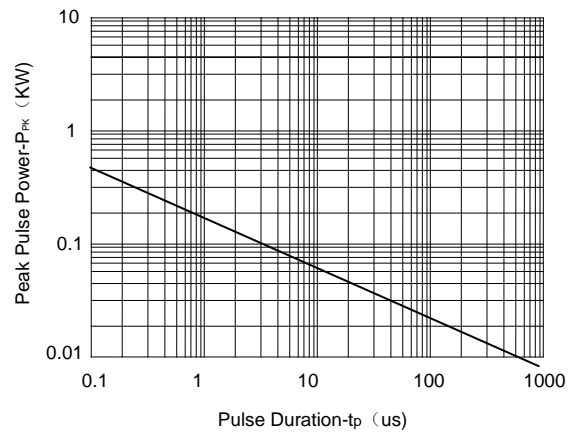


**ESD clamp voltage**

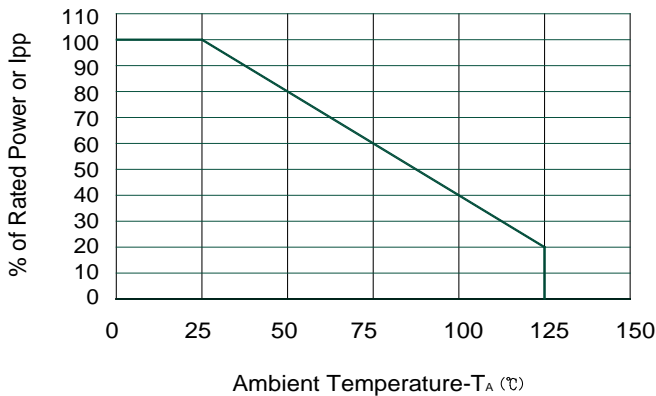
Negative 8KV IEC61000-4-2 contact discharge



**Pulse Waveform**



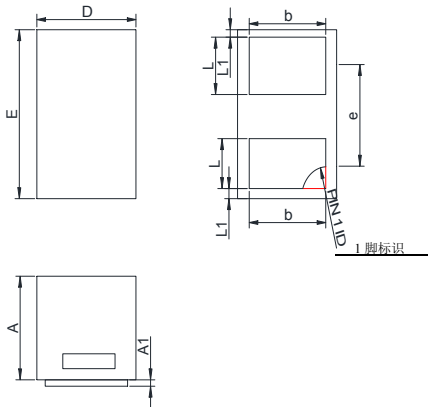
**Non-Repetitive Peak Pulse Power vs. Pulse Time**



**Power Derating Curve**

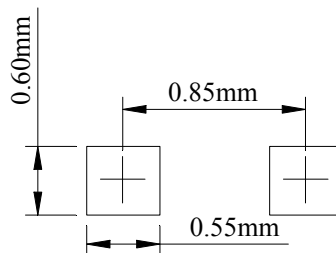
## ➤ Package Information (DFN1006)

Case Material: Molded Plastic. UL Flammability



DIM	Millimeters	
	Min	Max
A	0.30	0.50
A1	0.00	0.05
D	0.55	0.65
E	0.95	1.05
b	0.25	0.60
e	0.65TYP	
L	0.15	0.35
L1	0.05REF	

## Recommended Pad outline



## ➤ Ordering Information

Part Number	Description	Quantity
PAE3321EU	DFN1006 Reel	10000 pcs

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