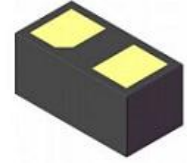


1-Line Bi-directional low Capacitance TVS Diode Array

APPLICATION

- ◆ Cellular Handsets and Accessories
- ◆ Personal Digital Assistants
- ◆ Notebooks and Handhelds
- ◆ Digital Cameras
- ◆ Audio Players
- ◆ Keypads, Side Keys, USB 2.0, LCD Displays

DFN0603(0201)



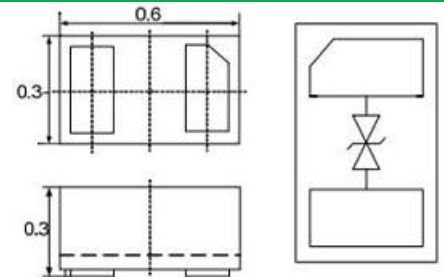
IEC COMPATIBILITY

Package: DFN0603-2

- ◆ IEC61000-4-2 (ESD) $\pm 15\text{kV}$ (air), $\pm 8\text{kV}$ (contact)
- ◆ IEC61000-4-4 (EFT) 40A (5/50ns)
- ◆ IEC61000-4-5 (Lightning) 3.5A (8/20 μs)

FEATURES

- ◆ Ultra Small Packaging 0.6x0.3x0.3mm
- ◆ Ultra low capacitance: 3pF typical
- ◆ Working voltage: 5V
- ◆ Low clamping voltage
- ◆ 2-pin leadless package



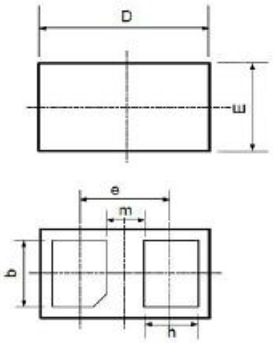
PIN CONFIGURATION

Electrical Characteristics

| Parameter | Symbol | Value | Unit |
|--|------------------|-------------|------|
| Peak Pulse Power(tp=8/20uS waveform) | P _{PPP} | 47 | W |
| Peak Pulse Current(tp=8/20uS waveform) | I _{PP} | 3.5 | A |
| ESD per IEC 61000-4-2 (Air) | V _{ESD} | ± 15 | kV |
| ESD per IEC 61000-4-2 (Contact) | | ± 8 | |
| Operating Temperature Range | T _J | -55 to +125 | °C |
| Storage Temperature Range | T _{stg} | -55 to +150 | °C |

| Part Number | VRWM | VBR | IR (max) | Co Max value | Vc @1A Max | Vc @3.5A Max | Ppp 8/20us | Delivery Time |
|------------------|------|-----|-------------|-----------------|---------------|------------------|---------------|------------------|
| | V | V | (uA) | pF | V | V _{max} | W | Days |
| HAH0501P0 | 5 | 5.5 | 0.1 | 3.5 | 11 | 13.5 | 47 | 7days |

Package Mechanical Data



| SYM | DIMENSIONS | |
|-----|-------------|------|
| | MILLIMETERS | |
| | MIN | MAX |
| A | 0.28 | 0.32 |
| D | 0.55 | 0.65 |
| E | 0.25 | 0.35 |
| b | 0.20 | 0.30 |
| e | 0.350 | |
| m | 0.165 | |
| h | 0.07 | 0.17 |

Ordering Information

| Part Number | Qty per Reel | Reel Size | Package | Delivery Time |
|------------------|--------------|-----------|-----------|---------------|
| HAH0501P0 | 15000pcs | 7inch | DFN0603-2 | 7days |

Specifications are subject to change without notice

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