

Over Voltage Protection Device

Varistor ESD Series



Electro Static discharge (ESD) is the transients as short duration excursion. Our ESD products are based on the design of multilayer fabrication technology to suppress ESD events. Our products meet IEC61000-4-2 standard for Electromagnetic Compliance testing. We supply extra low capacitance and protect integrated circuits protection

■ Feature

- Fast Response < 0.5nSec
- Low Working Voltage
- Low Capacitance 0.05pF
- Low Leakage Current < 1 uA
- Low Clamping Voltage
- Bi-directional

| Part No | Working Voltage | Clamping Voltage | | Leakage Current | Capacitance Volume | ESD Contact | ESD Air |
|----------------------|-----------------------|------------------|------|-----------------|--------------------|-------------|---------|
| | | Vclamp(max) | | | | | |
| (Unit) | V _{DC} (Max) | 0402 | 0603 | | | | |
| SFI0201-050E330NP-LF | 5 | 26 | | 1 | 33 | ≥8 | ≥15 |
| SFI0201-120E120NP-LF | 12 | 50 | | 1 | 12 | ≥8 | ≥15 |
| SFIXXXX-050E101NP-LF | 5 | 52 | 36 | 1 | 100 | ≥8 | ≥15 |
| SFIXXXX-050E560NP-LF | 5 | 52 | 36 | 1 | 56 | ≥8 | ≥15 |
| SFIXXXX-050E330NP-LF | 5 | 52 | 34 | 1 | 33 | ≥8 | ≥15 |
| SFIXXXX-050E220NP-LF | 5 | 52 | 34 | 1 | 22 | ≥8 | ≥15 |
| SFIXXXX-050E100NP-LF | 5 | 72 | 65 | 1 | 10 | ≥8 | ≥15 |
| SFIXXXX-050E050PP-LF | 5 | 72 | 55 | 1 | 4~9 | ≥8 | ≥15 |
| SFIXXXX-120E101NP-LF | 12 | 55 | 55 | 1 | 100 | ≥8 | ≥15 |
| SFIXXXX-120E560NP-LF | 12 | 55 | 55 | 1 | 56 | ≥8 | ≥15 |
| SFIXXXX-120E330NP-LF | 12 | 55 | 55 | 1 | 33 | ≥8 | ≥15 |
| SFIXXXX-120E220NP-LF | 12 | 55 | 55 | 1 | 22 | ≥8 | ≥15 |
| SFIXXXX-120E100NP-LF | 12 | 72 | 60 | 1 | 10 | ≥8 | ≥15 |
| SFIXXXX-120E050PP-LF | 12 | 72 | 85 | 1 | 4~9 | ≥8 | ≥15 |
| SFIXXXX-240E2R5PP-LF | 24 | 200 | 240 | 1 | 2~4.5 | ≥8 | ≥15 |
| SFIXXXX-240E3R0PP-LF | 24 | 200 | - | 1 | 1.6~5.4 | ≥8 | ≥15 |
| SFIXXXX-240E0R8PP-LF | 24 | 200 | 200 | 1 | 0.8~1.5 | ≥8 | ≥15 |
| SFIXXXX-240E0R3PP-LF | 24 | 350 | 350 | 1 | 0.15~0.45 | ≥8 | ≥15 |
| SFI0805-120E101NP-LF | 12 | 60 | | 1 | 100 | ≥8 | ≥15 |
| SFI0805-120E560NP-LF | 12 | 60 | | 1 | 56 | ≥8 | ≥15 |

Specification (XXXX=0402 or 0603 size)

- 1.This Clamping Voltage at which the device stabilized during the transition from high to low impedance 8/20μs waveform current 1A.
2. All capacitance tests are under 1MHz, and the Leakage current is measured at working voltage.