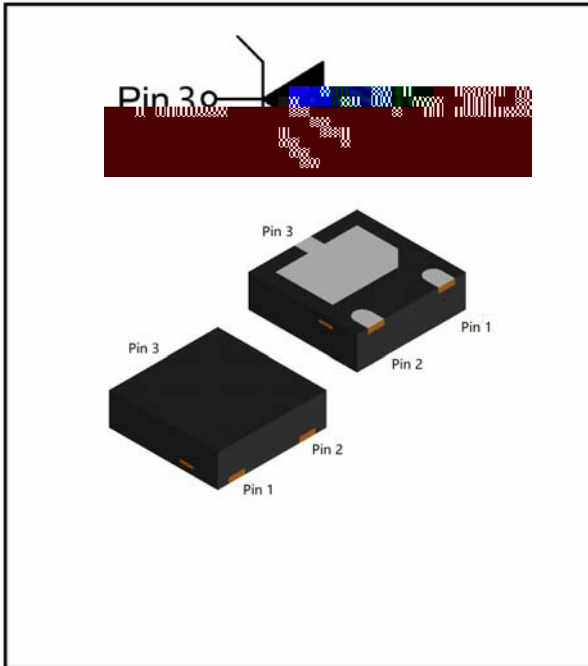


1-Line , Uni-directiona

S



Features

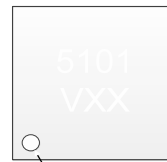
- Ultra small package
- Stand-off voltage: 10V ~24V
- Transient protection for each line according to
IEC61000-4-2(ESD): $\pm 30\text{kV}$ (contact)
IEC61000-4-4 (EFT): 80A (5/50ns)
IEC61000-4-5(surge)
- Low clamping voltage
- RoHS Compliant

Applications

- Power supply protection
- Power management
- Battery Contacts

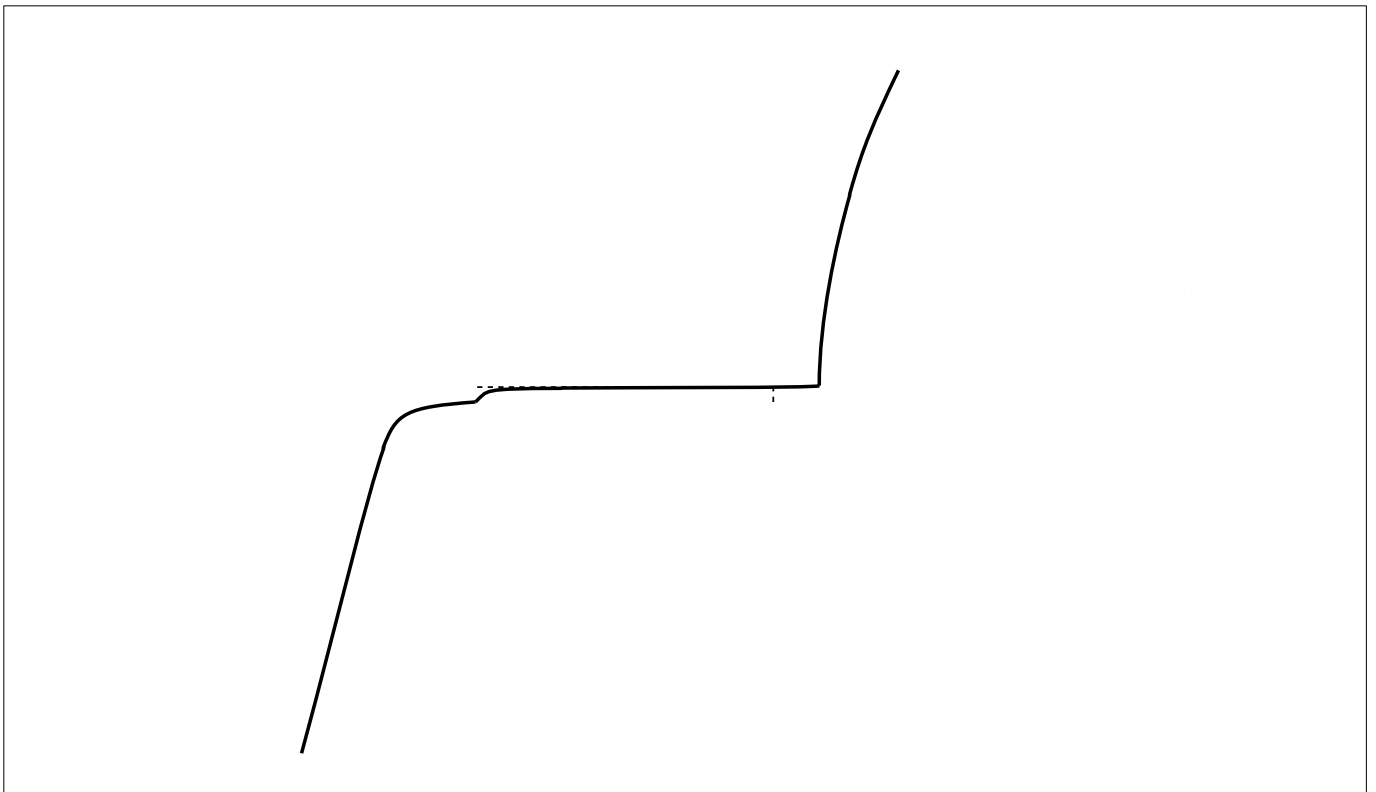
Mechanical Characteristics

- Package: DFN2020-3L
- Case Material: "Green" Molding Compound.
- Moisture Sensitivity: Level 3 per J-STD-020
- Marking Information: See Below



Device	Device code
ESD10VP4A	V10
ESD12VP4A	V12
ESD15VP4A	V15
ESD18VP4A	V18
ESD24VP4A	V24

■Definitions of electrical characteristics

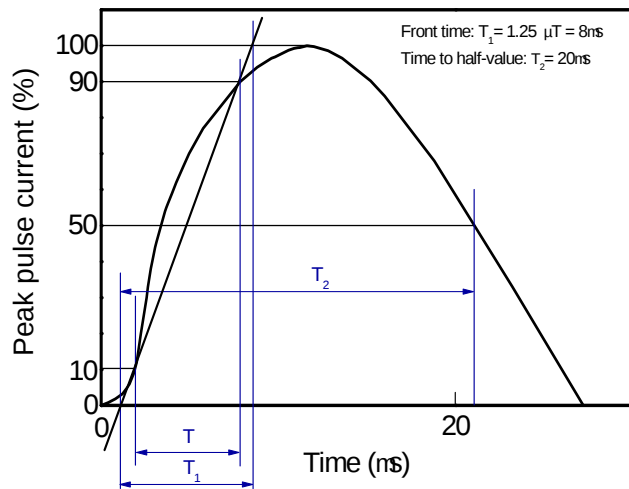




ESD10VP4A THRU ESD24VP4A

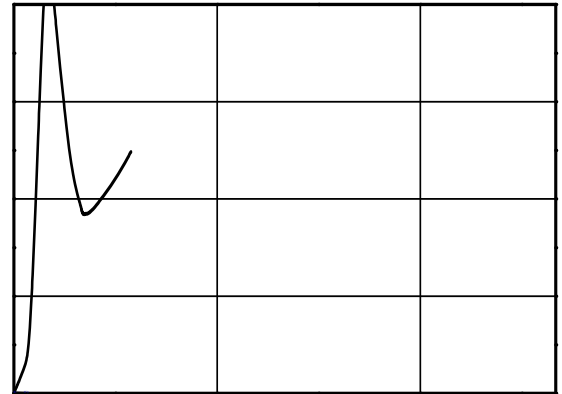
■ Typical Performance Characteristics ($T_a=25^\circ\text{C}$ unless otherwise Specified)

8/20 μs waveform per IEC61000-4-5



Clamping voltage vs. Peak pulse current

Contact discharge current waveform per IEC61000-4-2



Non-repetitive peak pulse power vs. Pulse time

Power derating vs. Ambient temperature



ESD10VP4A THRU ESD24VP4A

■Outline Dimensions

Symbol	Dimensions In Millimeters		
	Min.	Typ.	Max.

■Recommend land pattern (Unit:mm)

Notes:
This recommended land pattern is for reference purposes only. Please consult your manufacturing group to ensure your PCB design guidelines are met.



ESD10VP4A THRU ESD24VP4A

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