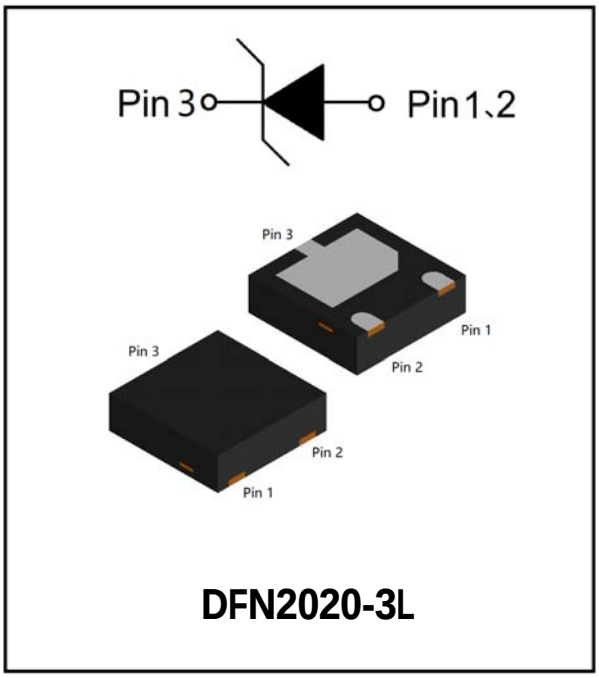
1-Line , Uni-directional , Transient Voltage Suppressor



Features

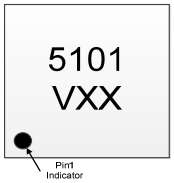
- Ultra small package
- Stand-off voltage: 10V ~24V
- Transient protection for each line according to
  IEC61000-4-2(ESD): ±30kV (contact)
  IEC61000-4-4 (EFT): 80A (5/50ns)
  IEC61000-4-5(surge)
- Low clamping voltage
- RoHS Compliant

Applications

- Power supply protection
- Power management
- Battery Contacts

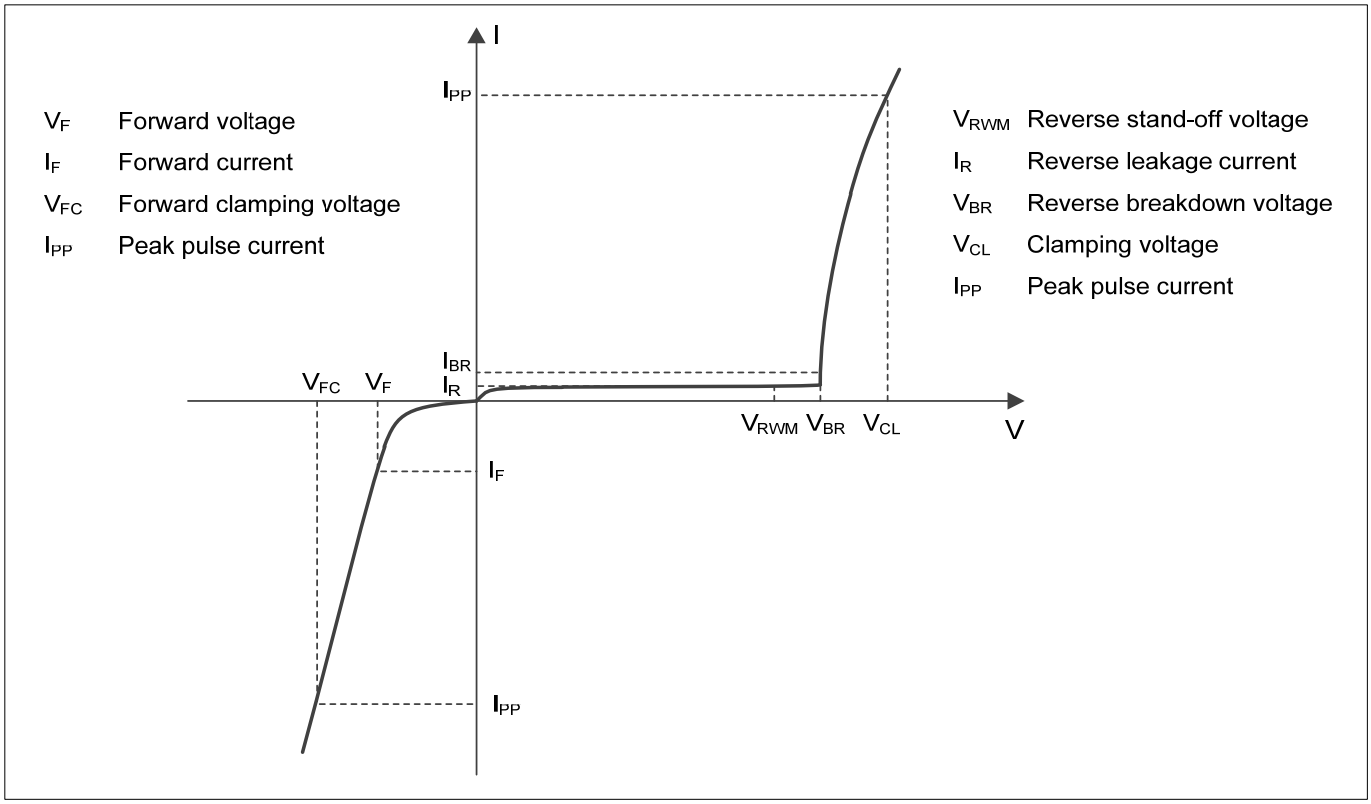
Mechanical Characteristics

- 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

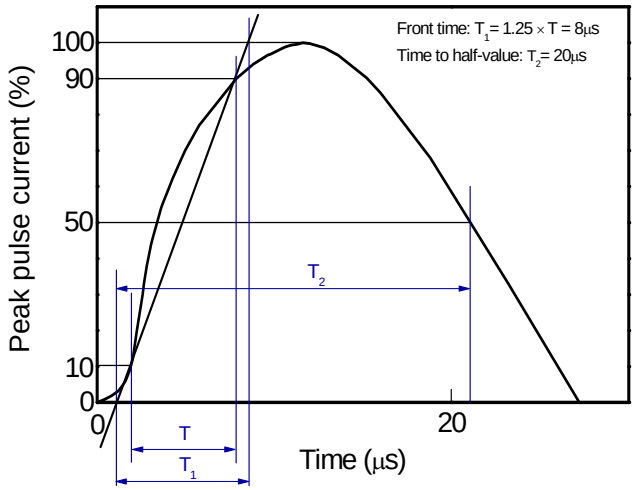


laximum Ratings (Ta=25°C unless otherwise specified)

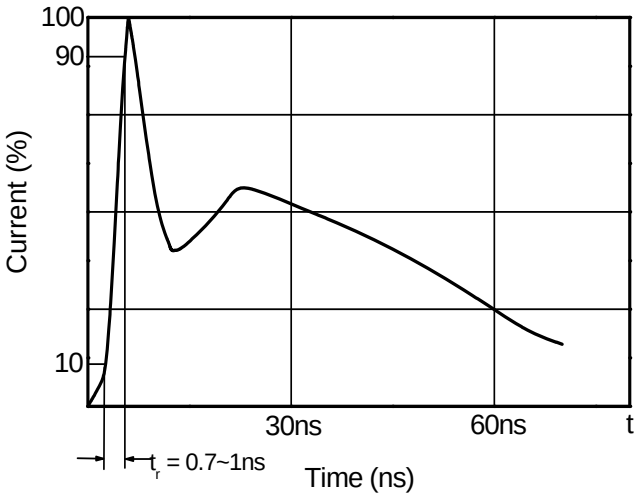
PARAMETER	. SYMBOL ¾¿	VA-LUE ¾¿	UNIT ¾¿ ч ž D‡ ž ˇ ž

■Typical Performance Characteristics (T_a=25℃ unless otherwise Specified)

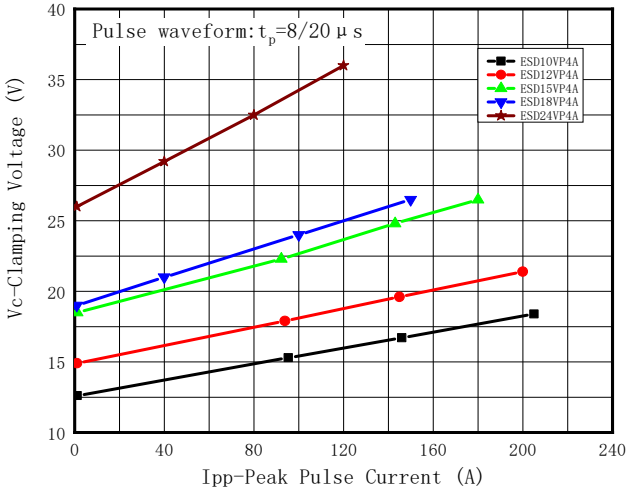
8/20μs waveform per IEC61000-4-5



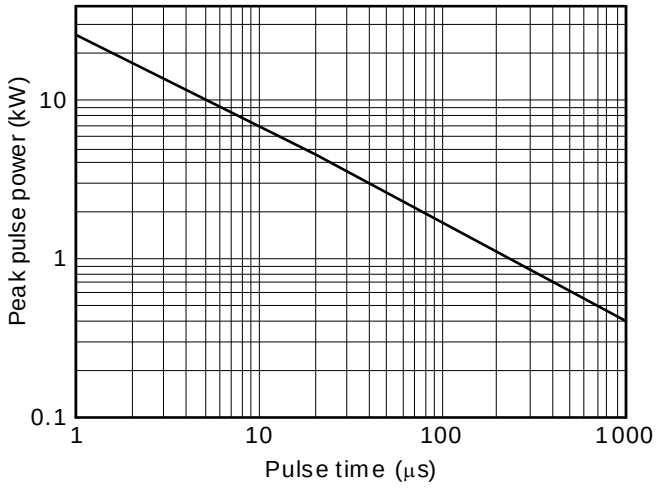
Contact discharge current waveform per IEC61000-4-2



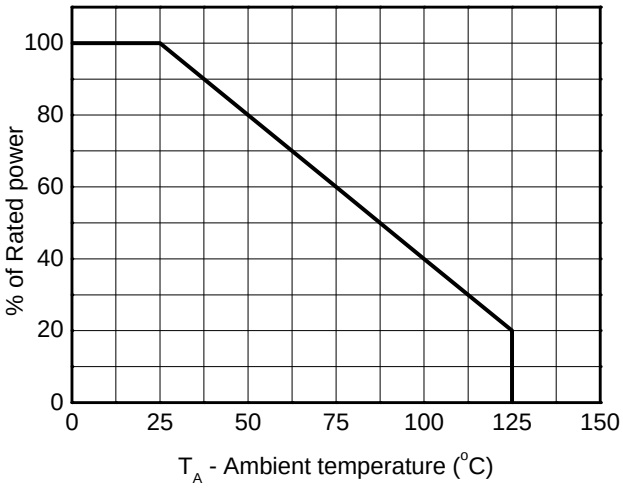
Clamping voltage vs. Peak pulse current



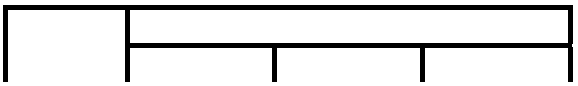
Non-repetitive peak pulse power vs. Pulse time



Power derating vs. Ambient temperature



■Outline Dimensions



■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.

Disclaimer

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