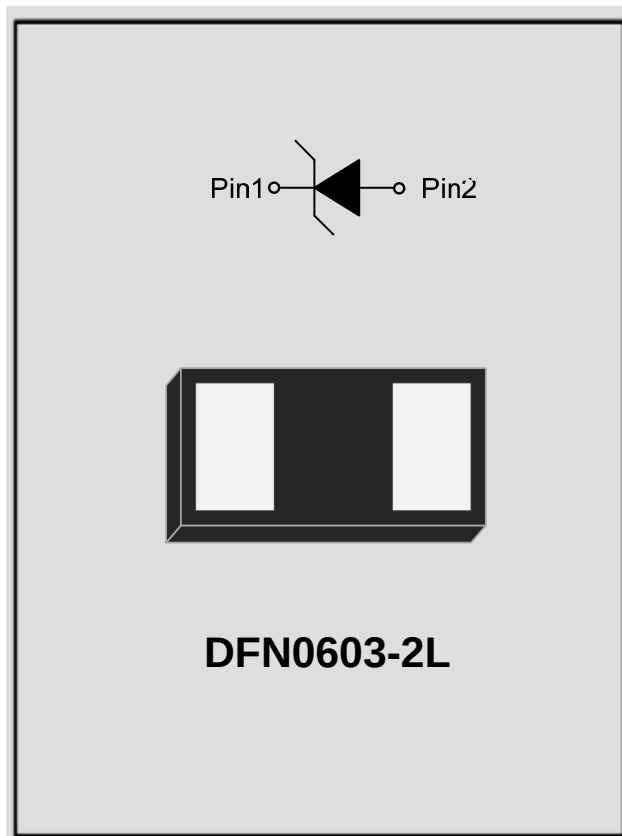


1-Line, Uni-directional, Transient Voltage Suppressor



Features

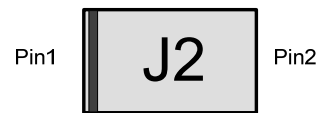
- χ Stand-off voltage: 2.1V Max
- χ Transient protection for each line according to
 - IEC61000-4-2(ESD): 030kV (contact)
 - IEC61000-4-4 (EFT): 40A (5/50ns)
 - IEC61000-4-5(surge): 22A (8/20>s)
- χ Low leakage current
- χ Low clamping voltage
- χ Low clamping voltage:
 $V_{CL} = 4.5V$ typ. @ $I_{PP} = 16A$ (TLP)
- χ RoHS Compliant

Applications

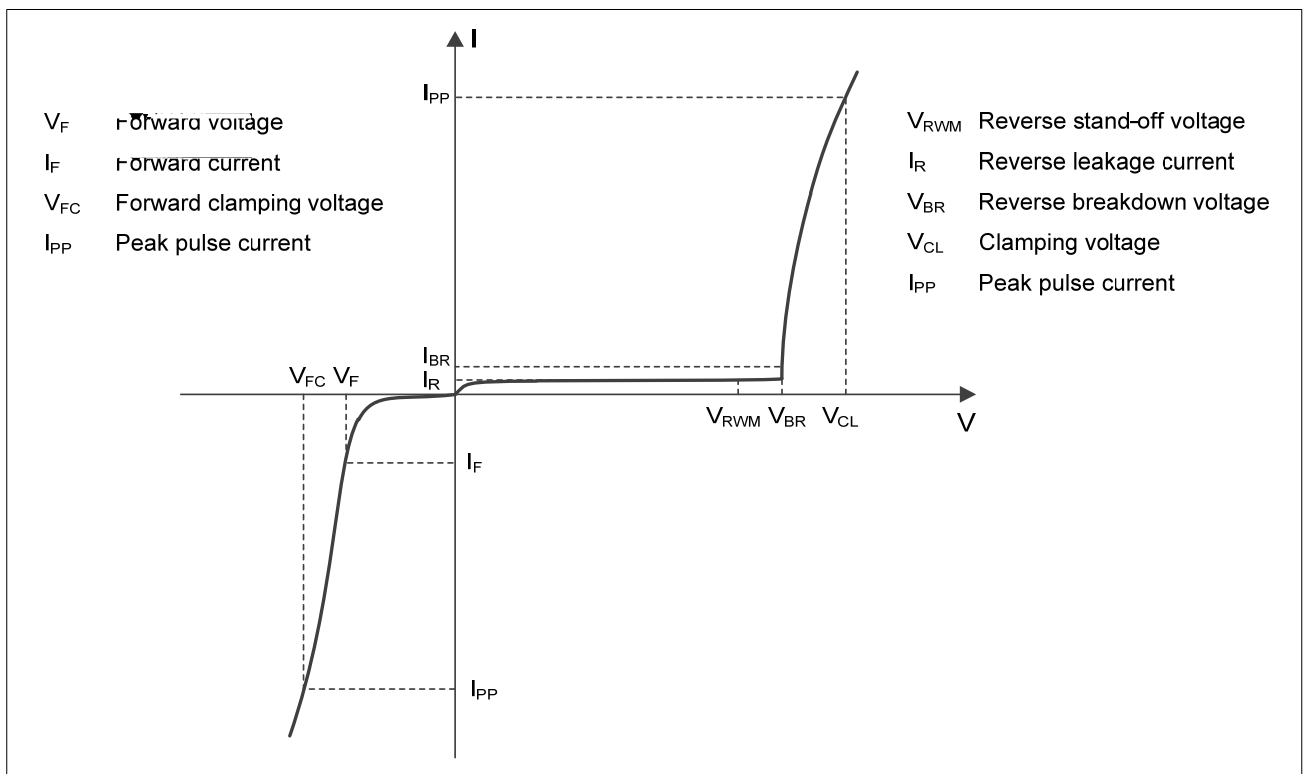
- χ Power supply protection
- χ Power management

Mechanical Data

- χ Package: DFN0603-2L
- χ Lead Finish: Matte Tin
- χ Case Material: 6Green6 Molding Compound
- χ Moisture Sensitivity: Level 3 per J-STD-020
- χ Marking Information: See Below



Definitions of electrical characteristics





ESD2V1LZA

Maximum Ratings

PARAMETER	SYMBOL	LIMITS	UNIT
Peak pulse power ($t_p = 8/20 \mu s$)	P_{pk}	180	W
Peak pulse current ($t_p = 8/20 \mu s$)	I_{PP}	22	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	30	kV
ESD according to IEC61000-4-2 contact discharge		30	
Junction temperature	T_J	125	°C
Operating temperature	T_{OP}	-40~85	°C
Storage temperature	T_{STG}	-55~150	°C

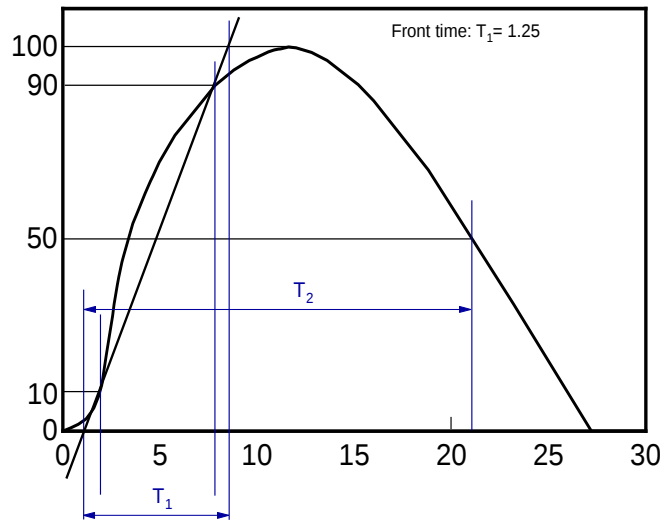
Electrical Characteristics $T_a=25^\circ C$ Unless otherwise specified

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse maximum working voltage	V_{RWM}	V				2.1



Ω Characteristics (Typical)

Fig.1 8/20 μ s waveform per IEC61000-4-5





Disclaimer

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