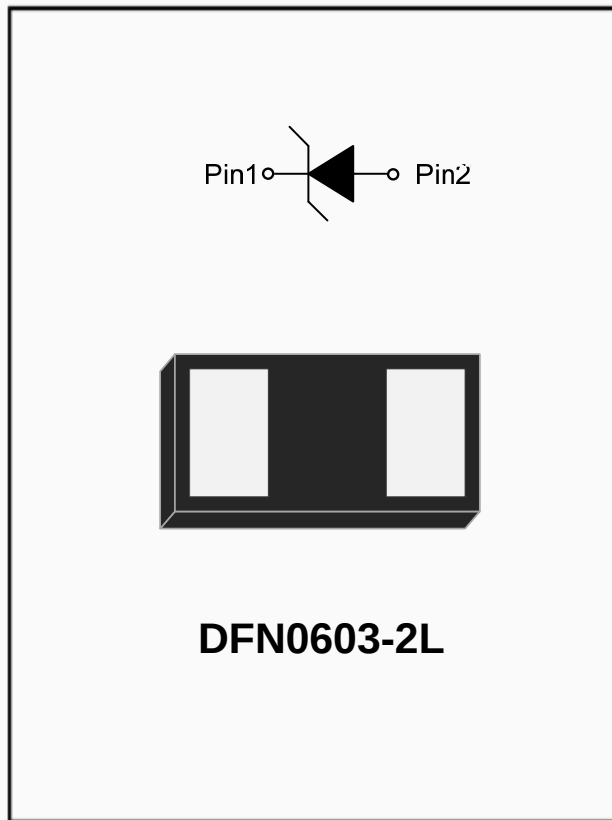


1-Line, Uni-directional, Transient Voltage Suppressor



Features

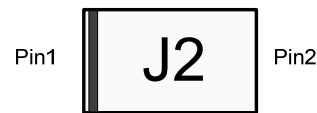
- ✕ Stand-off voltage: 2.1V Max
- ✕ Transient protection for each line according to
 - IEC61000-4-2(ESD): 030kV (contact)
 - IEC61000-4-4 (EFT): 40A (5/50ns)
 - IEC61000-4-5(surge): 22A (8/20>s)
- ✕ Low leakage current
- ✕ Low clamping voltage
- ✕ Low clamping voltage:
 $V_{CL} = 4.5V$ typ. @ $I_{PP}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

Applications

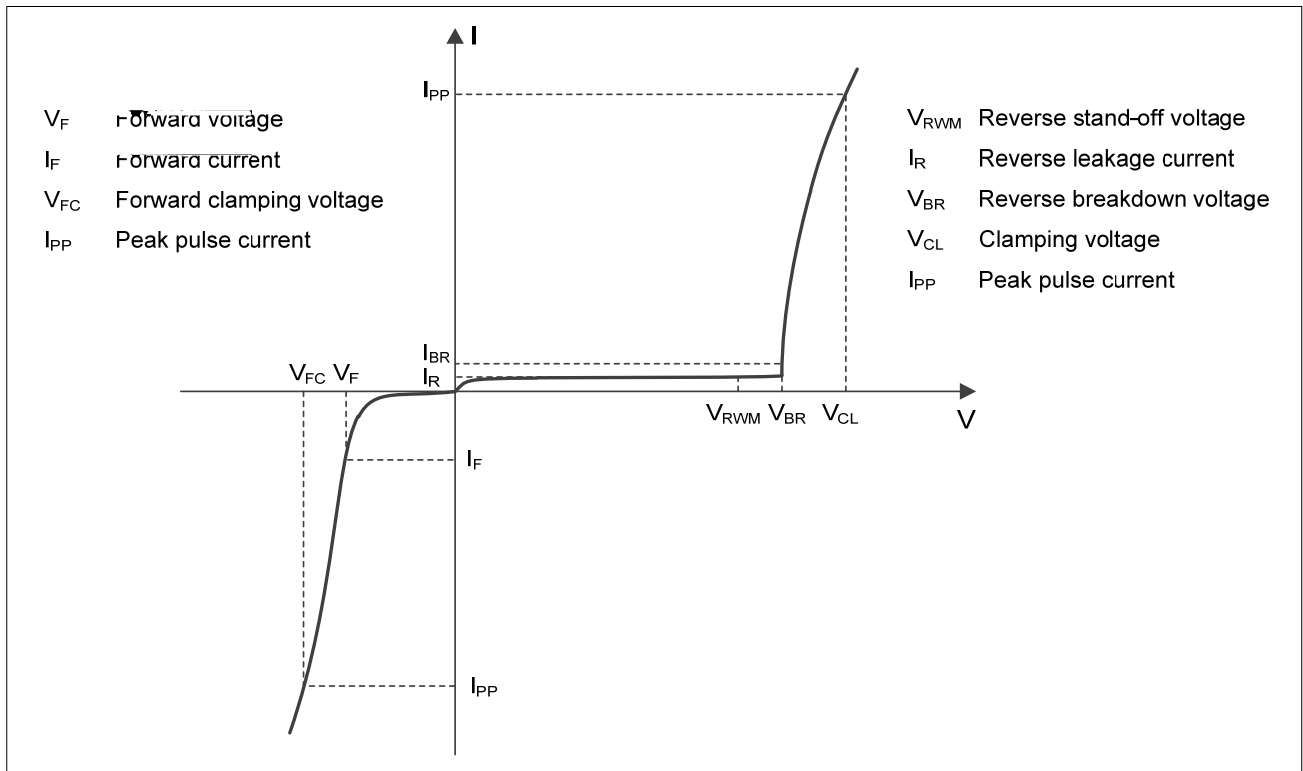
- ✕ Power supply protection
- ✕ Power management

Mechanical Data

- ✕ Package: DFN0603-2L
- ✕ Lead Finish: Matte Tin
- ✕ Case Material: 0Green0 Molding Compound
- ✕ Moisture Sensitivity: Level 3 per J-STD-020
- ✕ 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	$^{\circ}C$
Operating temperature	T_{OP}	-40~85	$^{\circ}C$
Storage temperature	T_{STG}	-55~150	$^{\circ}C$

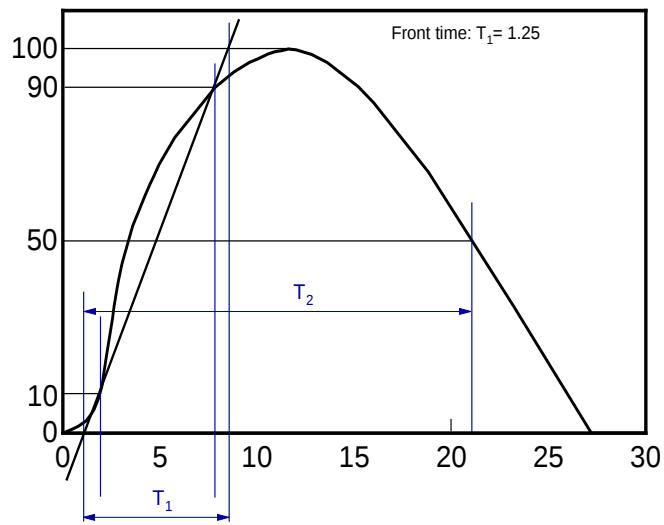
Electrical Characteristics $T_a=25^{\circ}C$ Unless otherwise specified

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse maximum working voltage	V_{RWM}	V				2.1 6



Ω Characteristics (Typical)

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





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