

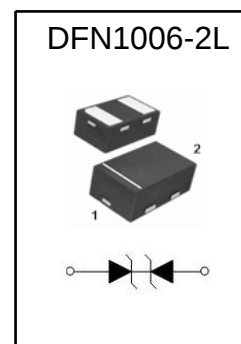


Transient Voltage Suppressors

for ESD Protection

Features

- Low reverse current
- Bi-direction high reliability
- Low capacitance



Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Peak Pulse Current ($t_p = 8/20 \text{ us}$)	I_{PP}	5.5	A
ESD discharge (IEC61000-4-2)	Air Contact ESD	± 25 ± 25	KV
Peak Pulse Power ($t_p = 8/20 \text{ us}$)	P_{PP}	47.8	W
Operation Temperature Range	T_j	- 55 to + 150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 65 to + 150	$^\circ\text{C}$

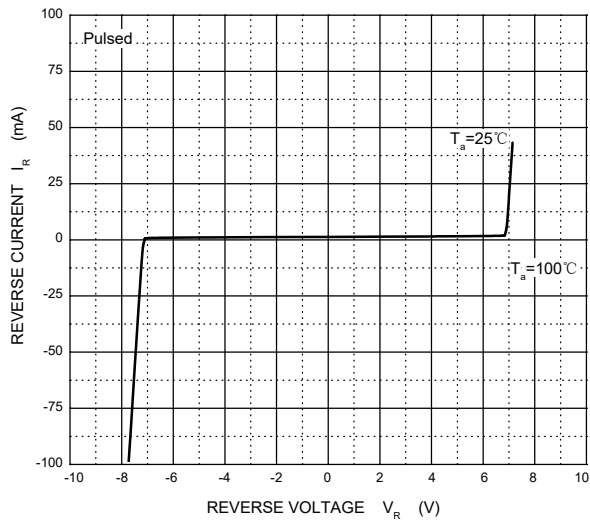
Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Min.	Typ.	Max.	Unit
Reverse Working Voltage	V_{RWM}			5.0	V
Reverse Breakdown Voltage $I_{BR} = 1 \text{ mA}$	$V_{(BR)R}$	5.6		8.0	V
Reverse Current at $V_R = 5.0\text{V}$	I_R			2.5	μA
Clamping Voltage $I_{PP} = 5.5 \text{ A} (t_p = 8/20 \text{ us})$	V_C		8.7	11	V
Junction Capacitance at $V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$	C_j		12	15	pF



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Reverse Characteristics



Capacitance Characteristics

