

E5V0UBP1AA

Transient Voltage Suppressors

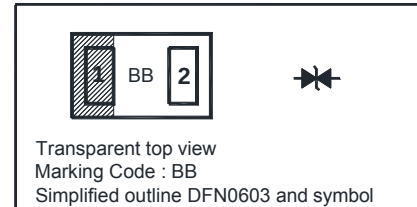
for ESD Protection

Features

- Ultra low capacitance
- Ultra small SMD package

PINNING

PIN	DESCRIPTION
1	Anode
2	Anode

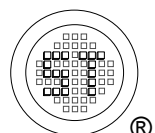


Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

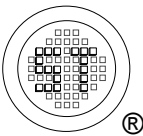
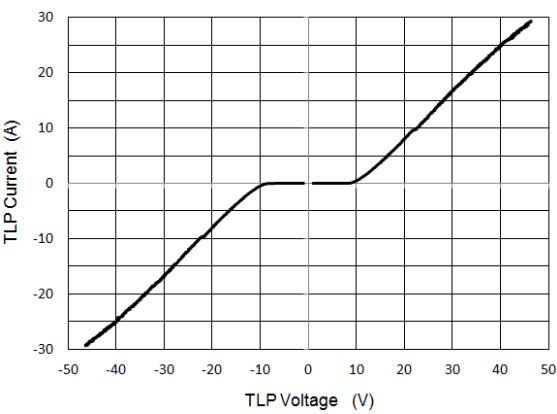
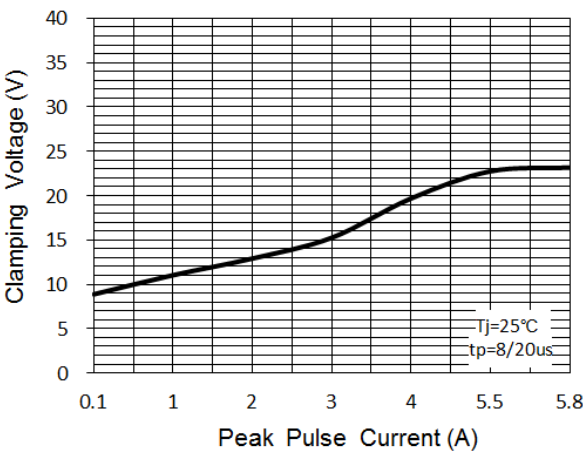
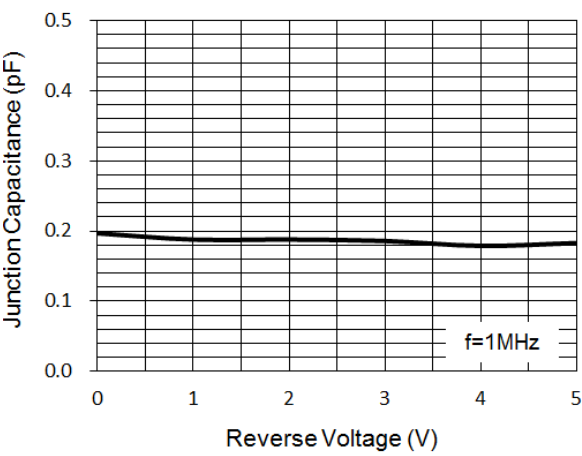
Parameter	Symbol	Value	Unit
Peak Pulse Power ($t_p = 8/20 \mu\text{s}$)	P_{pk}	100	W
Peak Pulse Current ($t_p = 8/20 \mu\text{s}$)	I_{PP}	4.5	A
ESD contact discharge (IEC61000-4-2) Air Contact	V_{ESD}	± 20 ± 20	KV
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 65 to + 150	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit
Reverse Stand-Off Voltage	V_{RWM}	-	5	V
Reverse Breakdown Voltage at $I_R = 1 \text{ mA}$	$V_{(BR)R}$	6	9.5	V
Reverse Current at $V_{RWM} = 5 \text{ V}$	I_R	-	50	nA
Clamping Voltage at $I_{PP} = 4.5 \text{ A}$, $t_p = 8/20 \mu\text{s}$	V_C	-	22	V
Junction Capacitance at $V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$	C_J	-	0.35	pF



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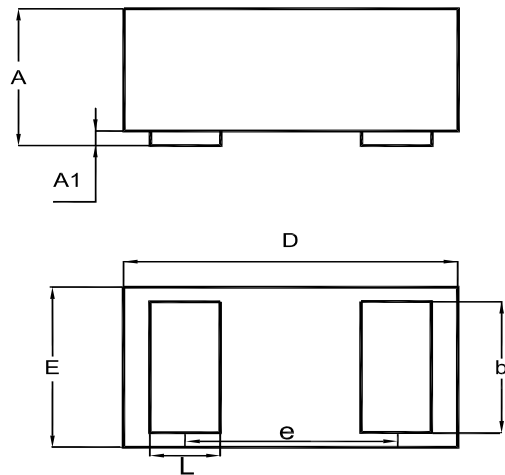


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PACKAGE OUTLINE

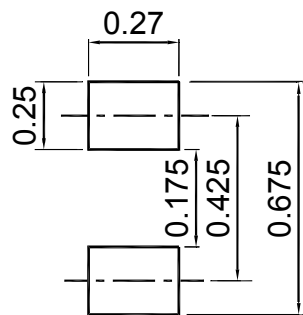
Plastic surface mounted package; 2 leads

DFN0603



UNIT	A	A1	b	D	E	e	L
mm	0.27 0.33	0 0.025	0.21 0.29	0.57 0.65	0.28 0.35	0.355	0.14 0.22

Recommended Soldering Footprint



Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
DFN0603	8	4 ± 0.1	0.157 ± 0.004	178	7	10,000

Marking information

" BB " = Part No.
Font type: Arial

