

# ESDBL206Z

## Transient Voltage Suppressors

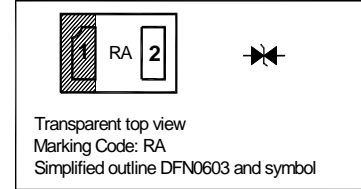
for ESD Protection

### Features

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

### PINNING

PIN	DESCRIPTION
1	Anode
2	Anode



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

Parameter	Symbol	Value	Unit
Peak Pulse Current ( $t_p = 8/20 \mu\text{s}$ )	$I_{PP}$	6	A
ESD discharge (IEC61000-4-2)	$V_{ESD}$	30	KV
Operation Temperature Range	$T_j$	- 55 to + 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.	Typ.	Max.	Unit
Reverse Working Voltage	$V_{RWM}$	- 5.5	-	5.5	V
Reverse Current at $V_R = 5.5 \text{ V}$	$I_R$	-	-	100	nA
Junction Capacitance I/O to GND at $V_R = 0 \text{ V}$ , $f = 1 \text{ MHz}$	$C_j$	-	13	-	pF
Clamping Voltage at $I_{PP} = 16 \text{ A}$ , $t_p = 8/20 \mu\text{s}$ at $I_{PP} = 30 \text{ A}$ , $t_p = 8/20 \mu\text{s}$	$V_{CL}$	-	9 11	-	V

**TOP DYNAMIC**



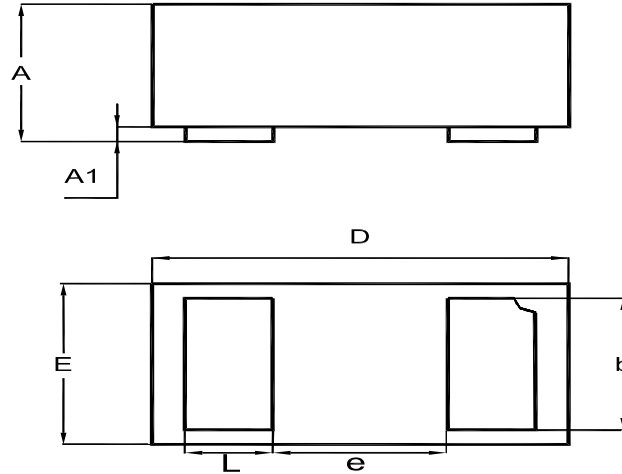
Dated: 25/08/2014 Rev: 01

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## PACKAGE OUTLINE

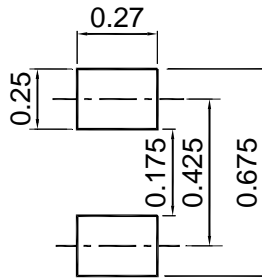
Plastic surface mounted package; 2 leads

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

**TOP DYNAMIC**



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