

ESDBL24DP-HAF

Transient Voltage Suppressors

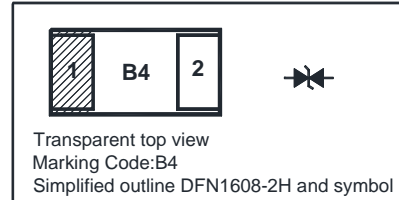
for ESD Protection

Features

- Low leakage current
- Low capacitance
- Bi-direction high reliability
- Halogen and Antimony Free(HAF), RoHS compliant

PINNING

PIN	DESCRIPTION
1	Anode
2	Anode



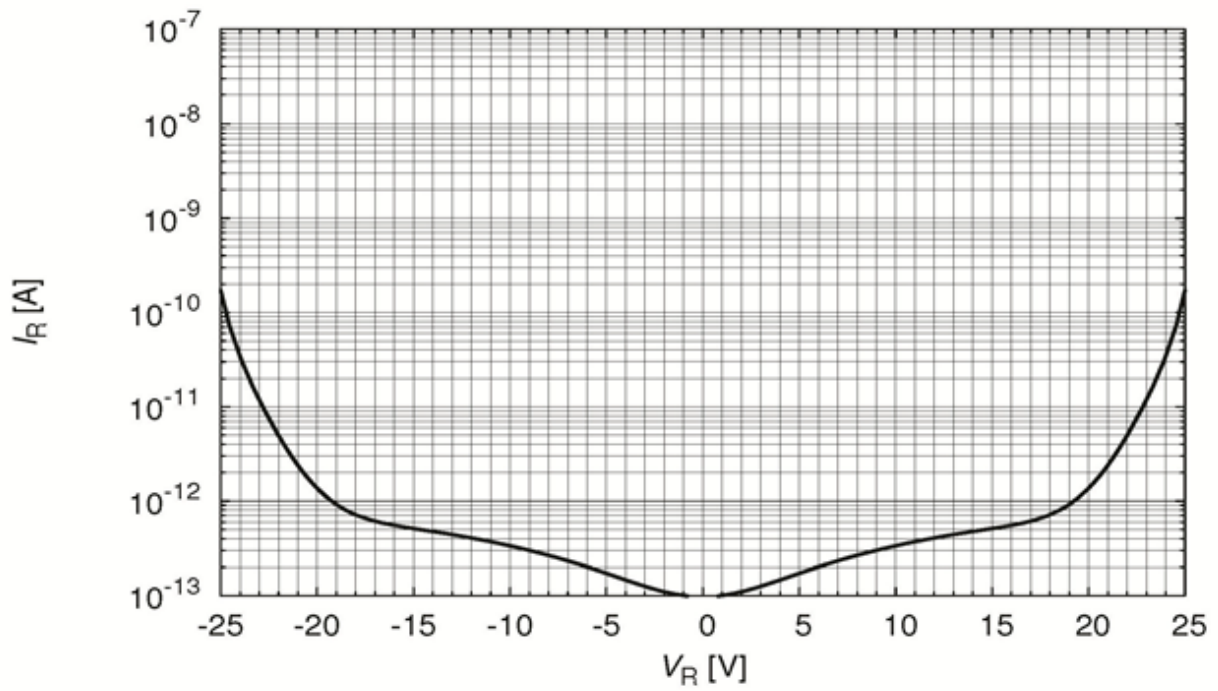
Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Peak Pulse Current ($t_p = 8/20 \mu\text{s}$)	I_{PP}	1	A
IEC61000-4-2 (ESD) Air Contact	V_{ESD}	± 20 ± 18	KV
Operation Temperature Range	T_j	- 55 to + 150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 65 to + 150	$^\circ\text{C}$

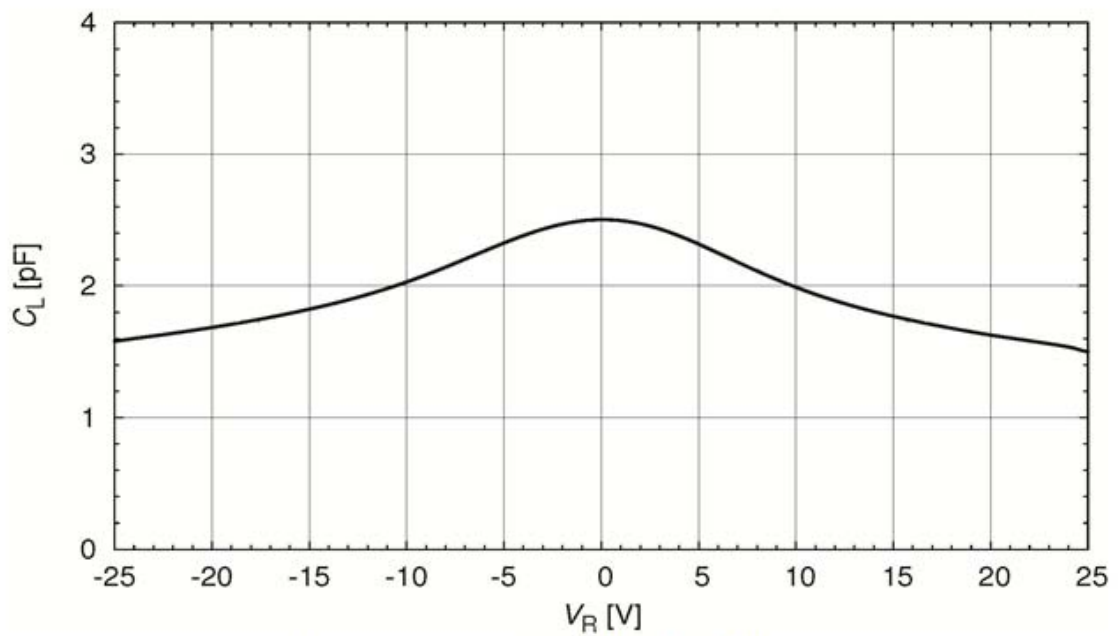
Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Min.	Max.	Unit
Reverse Working Voltage	V_{RWM}	- 24	24	V
Reverse Breakdown Voltage at $I_R = 1 \text{ mA}$	$V_{(BR)R}$	24.3	-	V
Reverse Current at $V_{RWM} = 24 \text{ V}$	I_R	-	50	nA
Clamping Voltage at $I_{PP} = 1 \text{ A}$, $t_p = 8/20 \mu\text{s}$	V_C	-	45	V
Junction Capacitance at $V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$	C_j	-	3.5	pF

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Reverse current: $I_R = f(V_R)$



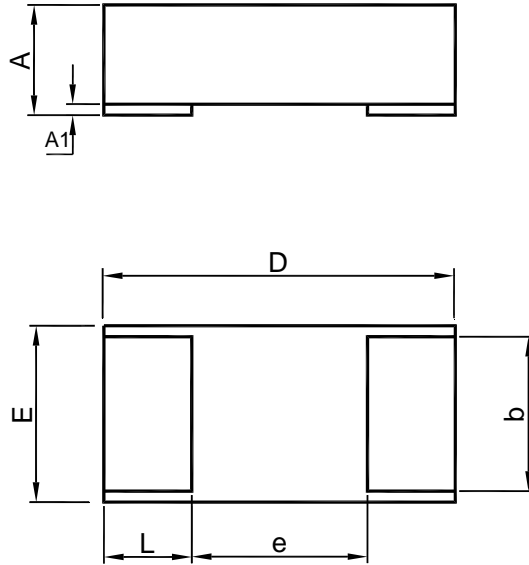
Line capacitance: $C_L = f(V_R)$, $f = 1\text{MHz}$

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PACKAGE OUTLINE

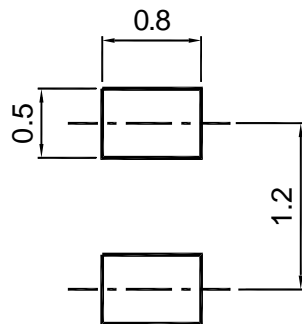
Plastic surface mounted package; 2 leads

DFN1608-2H



UNIT	A	A1	b	D	E	e	L
mm	0.55	0.05	0.75	1.65	0.85	0.85	0.45
	0.45	0	0.65	1.55	0.75	0.75	0.35

Recommended Soldering Footprint



Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
DFN1608-2H	8	4 ± 0.1	0.157 ± 0.004	178	7	4,000

TOP DYNAMIC

Dated: 05/06/2017 Rev: 01