

ESD9BL5V0P-HAF

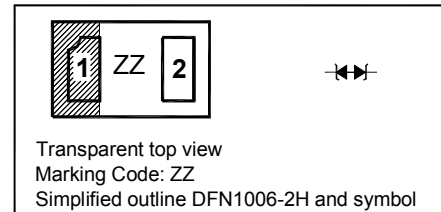
Bidirectional ESD Protection Diode

Features

- Halogen and Antimony Free(HAF), RoHS compliant

PINNING

PIN	DESCRIPTION
1	Cathode
2	Cathode



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}	2.5	A
ESD per IEC 61000-4-2 Contact	V_{ESD}	± 8	KV
Electrostatic Discharge Voltage (Ten non-repetitive ESD pulses)	V_{ESD}	± 10	KV
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 125	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit
Reverse Stand-Off Voltage	V_{RWM}	-	5.5	V
Reverse Breakdown Voltage at $I_R = 1 \text{ mA}$	V_{BR}	6	10	V
Reverse Current at $V_{RWM} = 5 \text{ V}$	I_{RM}	-	100	nA
Clamping Voltage at $I_{PP} = 1 \text{ A}$, $t_p = 8/20 \mu\text{s}$ at $I_{PP} = 2.5 \text{ A}$, $t_p = 8/20 \mu\text{s}$	V_C	- -	11 15	V
Junction Capacitance at $V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$	C_d	-	0.55	pF

TOP DYNAMIC

