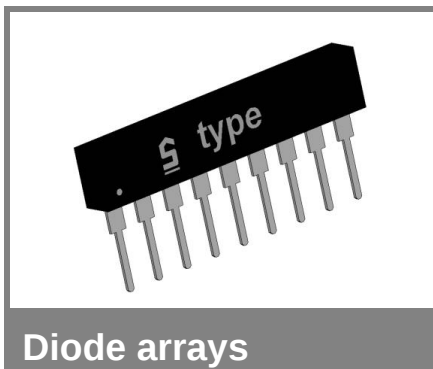


DA 811AK ... 8110AK 1,2W ...



Diode arrays

Silicon rectifiers arrays

DA 811AK ... 8110AK 1,2W

Forward Current: 0,6 A

Reverse Voltage: 100 to 1000 V

Publish Data

Features

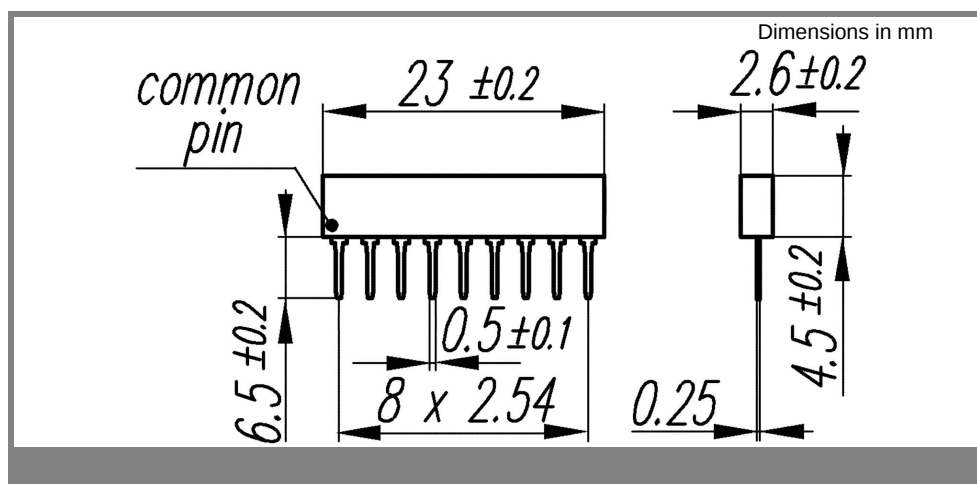
Mechanical Data

- 9 Pin - plastic case
- Terminals: plated terminals solderable per IEC 68-2-20
- Mounting position : any
- Weigh approx. 0,6 g
- Standard packing : bulk
- DA 811A ... DA 8110A - common anodes
- DA 811K ... DA 8110K - common cathodes
- 1) Valid for one branch; per diode for simultaneous operation $I_{FAV} = 150 \text{ mA}$
- 2) $I_F = 1 \text{ A}$, $T_A = 25^\circ\text{C}$

Type	Repetitive peak reverse voltage	Surge peak reverse voltage	Max. reverse recovery time	Max. forward voltage
	V_{RRM} V	V_{RSM} V	$I_F = A$ $I_R = A$ $I_{RR} = A$ t_{rr} ns	$V_F^{2)}$
DA 811A/K	100	120	/	1,1
DA 814A/K	400	480	/	1,1
DA 8110A/K	1000	1200	/	1,1

Absolute Maximum Ratings		$T_C = 25^\circ\text{C}$ unless otherwise specified	
Symbol	Conditions	Values	Units
I_{FAV}	Max. averaged fwd. current, R-load, $T_A = 25^\circ\text{C}$ 1)	0,6	A
I_{FRM}	Repetitive peak forward current $f > 15 \text{ Hz}$ 1)	6	A
I_{FSM}	Peak forward surge current 50 Hz half sinus-wave 3)	30	A
i^2t	Rating for fusing, $t < 10 \text{ ms}$ 3)	4,5	A^2s
R_{thA}	Max. thermal resistance junction to ambient 1)	85	K/W
R_{thT}	Max. thermal resistance junction to terminals 1)	/	K/W
T_j	Operating junction temperature	-50 ... +150	$^\circ\text{C}$
T_s	Storage temperature	-50 ... +150	$^\circ\text{C}$

Characteristics		$T_C = 25^\circ\text{C}$ unless otherwise specified	
Symbol	Conditions	Values	Units
I_R	Maximum leakage current, $T_j = 25^\circ\text{C}$; $V_R = V_{RRM}$	< 10	μA
	$T_j = 100^\circ\text{C}$; $V_R = V_{RRM}$	< 90	μA
C_J	Typical junction capacitance (at MHz and applied reverse voltage of V)	/	pF
Q_{rr}	Reverse recovery charge ($U_R = V$; $I_F = A$; $dI_F/dt = A/\text{ms}$)	/	μC
E_{RSM}	Non repetitive peak reverse avalanche energy ($I_R = \text{mA}$; $T_j = ^\circ\text{C}$; inductive load switched off)		mJ



DA 811AK ... 8110AK 1,2W ...

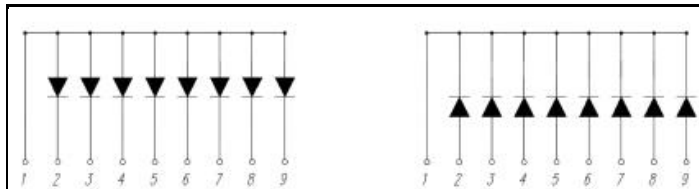


Fig. 1 : DA 811A ... DA 8110A; DA 811K ... DA 8110K