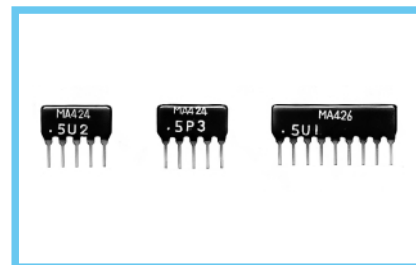


Standard Type Diode Arrays

High-speed switching diode arrays are of NICHICON's standard series. They are combined to be conveniently used for both binary and decimal systems. High-speed series is ideal for computer peripherals, control boards and general electronic appliances. These series are in stock for prompt delivery. Any special requirements with customer's particular circuits will be also welcome. And adapted to the RoHS directive (2002/95/EC). Please consult us for the details.

(Samples for the items listed below are not always available on stock. Please contact our sales office for details together with your specific requirements.)



High-speed switching diode array series

Absolute maximum ratings ※

Items	Symbol	Ratings
Peak reverse voltage	V_{RM}	40V
DC reverse voltage	V_R	40V
Surge current (1μs)	I_{FSM}	4.0A
Peak forward current	I_{FM}	300mA
Average rectified current	I_o	100mA
Storage temperature	T_{stg}	-25 to +85°C

※ 100mA for simultaneous energizing.

※ Maximum Current value applicable to each diode.

Electrical characteristics

Ta : +25°C

Items	Symbol	Conditions	Rating			Unit
			Min.	Typ.	Max.	
Reverse current	I_R	$V_R=40V$	—	—	0.5	μA
Forward voltage	V_{F1}	$I_F=10mA$	—	0.7	1.0	V
Forward voltage	V_{F2}	$I_F=50mA$	—	0.79	1.0	V
Forward voltage	V_{F3}	$I_F=100mA$	—	0.85	1.2	V
Reverse recovery time	t_{rr}	$I_F=10mA, V_R=6V$	—	—	4.0	ns

Series List

Part Number	Type	Number of diodes	Common electrode	Dimensions (mm Max.)			No. of Pins n	Circuit diagram	
				W	H	T			
ZHMA0423	MA423	4	Cathode	14	9	3.5	5	①	
ZHMA0424	MA424		Anode					②	
ZHMA0425	MA425	8	Cathode	24	9	3.5	9	①	
ZHMA0426	MA426		Anode					②	
ZHMA0427	MA427	10	Cathode	29	9	3.5	11	①	
ZHMA0428	MA428		Anode					②	
ZHMA0429	MA429	5	Isolated	27	9	3.5	10	③	
ZHMA0430	MA430	4	Isolated	21.5	9	3.5	8	③	
ZHMA0431	MA431	6	Cathode	19	9	3.5	7	①	
ZHMA0432	MA432		Anode					②	

Drawing

