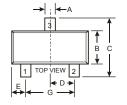




SURFACE MOUNT SWITCHING DIODES

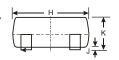
Features

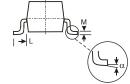
- Fast Switching Speed
- Surface Mount Package Ideally Suited for **Automatic Insertion**
- For General Purpose Switching Applications
- **High Conductance**
- Marking: KA2



Dim	Min	Max		
Α	0.37	0.51		
В	1.20	1.40		
С	2.30	2.50		
D	0.89	1.03		
E	0.45	0.60		
G	1.78	2.05		
Н	2.80	3.00		
J	0.013	0.10		
K	0.903	1.10		
L	0.45	0.61		
М	0.085	0.180		

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	All Dimensions in mm
3	

MMBD4148

Maximum Ratings @ T_A = 25°C unless otherwise specified

Parameter	Symbol	Value	Unit
Repetitive Reverse Voltage	V_{RM}	100	V
Peak Repetitive Peak Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	75	V
RMS Reverse Voltage	$V_{R(RMS)}$	53	V
Forward Continuous Current	I _{FM}	300	mA
Average Rectified Output Current	I _O	150	mA
Non-repetitive Peak Forward Surge Current @t=8.3ms	I _{FSM}	2.0	A
Power Dissipation	P _D	350	mW
Operating Junction Temperature	Tj	150	°C
Storage Temperature Range	T _{stg}	- 55 to + 150	°C

Electrical Characteristics @ T_A = 25°C unless otherwise specified

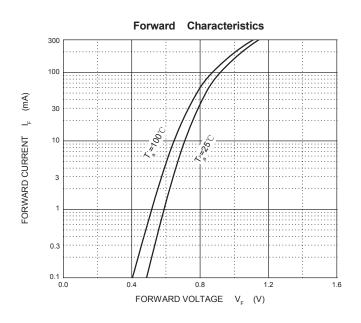
Parameter	Symbol	Min	Тур	Max	Unit	Conditions
Reverse breakdown voltage	V _(BR)	75			V	I _R =100μA
Forward voltage	V_{F1}			0.715	V	I _F =1mA
	V_{F2}			0.855	V	I _F =10mA
	V_{F3}			1.0	V	I _F =50mA
	V_{F4}			1.25	V	I _F =150mA
Reverse current	I _{R1}			2.5	μA	V _R =75V
	I _{R2}			25	nA	V _R =20V
Capacitance between terminals	C _T			2	pF	V _R =0V,f=1MHz
Reverse recovery time	t _{rr}			4	ns	I _F =I _R =10mA
						Irr=0.1 XI_R , R_L =100 Ω

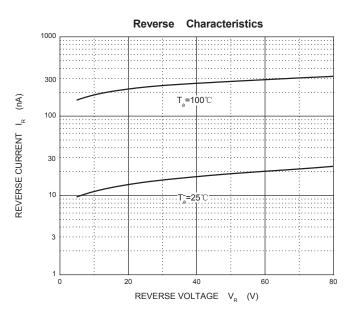


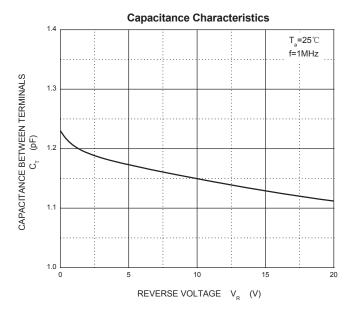


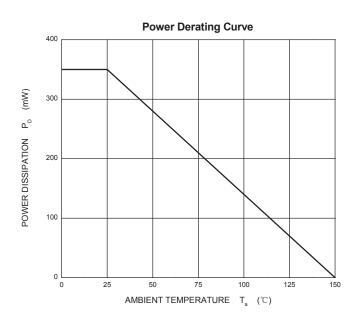
SURFACE MOUNT SWITCHING DIODES

TYPICAL TRANSIENT CHARACTERISTICS









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SURFACE MOUNT SWITCHING DIODES

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