

HIGH SPEED SWITCHING DIODES (SMD Type)



TYPE No.	Max. Peak Reverse Voltage	Max. Reverse Recovery Time	Power Dissipation	Max. Peak Forward Surge Current	Max. Reverse Leakage Current	Max. Forward Voltage		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Package Outline Drawing No. Please refer to Page: 131~139 </div>
	PRV	*Trr	P _{tot}	I _{FSM}	I _R	V _{FM}	I _{FM}	
	V	nS	mW	A	μA _{dc}	V	mA	

NOTE: * Trr Test Conditions: I_F = -I_R = 10mA to I_{RR} = -1mA, V_R = 6V, R_L = 100Ω

200 mWatts

1N914WS 1N4148WS 1N4448WS	100	4	200	2.0	5.0	1.0	10	SOD-323 (No.: 14)	
2.0				2.5	50				
4.0				2.5	100				
BAV16WS	100	6	200	2.0	1.0	0.855	10	SOT-323 (No.: 11)	
BAV19WS BAV20WS BAV21WS	120 200 250	50		2.5	1.0	1.0	100		
BAS16W	100	6		2.0	1.0	0.855	10		
BAS19W BAS20W BAS21W	120 200 250	50	200	2.5	0.1	1.0	100	SOT-323 (No.: 11)	
BAL99W BAV70W BAV99W BAW56W	100	4		2.0	2.5	1.0	50		
MMBD4148W MMBD4448W	100	4		2.0 4.0	2.5	1.0 0.72	50 5.0		

250 mWatts

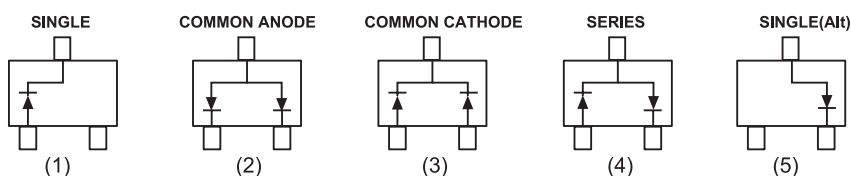
BAS16	100	6	250	2.0	1.0	0.855	10	SOT-23 (No.: 10)	
BAS19 BAS20 BAS21	120 200 250	50		2.5	0.1	1.0	100		
BAL99 BAV70 BAV99 BAW56	100	4		2.0	2.5	1.0	50		
MMBD914 MMBD4148 MMBD4448	100	4	225 250	2.0 4.0	5.0 2.5	1.0 0.72	10 50 5.0	SOT-23 (No.: 10)	

350 mWatts

BAV16W	100	6	350	2.0	1.0	0.855	10	SOD-123 (No.: 13)	
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410 mWatts

1N4148W 1N4150W	100 50	4	410	2.0 0.5	2.5 0.1	1.0	50 200	SOD-123 (No.: 13)	
1N4151W 1N4448W	75 100	2 4	500	0.5 4.0	0.05 2.5		10 100		
BAV19W BAV20W BAV21W	120 200 250	50	410	2.5	0.1		1.0		



SOT-23/SOT-323 Pin Configuration (Top View)

SWITCHING DIODES






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	PRV	*Trr	P _{tot}	I _{FSM}	I _R	V _{FM}	I _{FM}	
	V	nS	mW	A	µA _{dc}	V	mA	

NOTE: * Trr Test Conditions: I_F = -I_R = 10mA to I_{RR} = -1mA, V_R = 6V, R_L = 100Ω

400 mWatts

BAV19	120										
BAV20	200	50	400	1.0	0.1	1.0	100	DO-35 (No.: 8)			
BAV21	250										

500 mWatts

1N914B(M)*	100										
1N4148(M)*	100	4	500	0.5	5.0	0.1	1.0	10	10		
1N4150(M)*	50										
1N4151(M)*	75	2									
1N4448(M)*	100	4									
CD4148W	100		500	0.5	5.0	1.0	10	10	1206C(No.:35) 0805C(No.:35) 0603C(No.:35)		
CD4148WS	100	4									
CD4148WT	100										
DL914B	100		500	0.5	5.0	0.1	1.0	10	10	Mini Melf (DL-35) (No.: 38)	
DL4148	100	4									
DL4150	50										
DL4151	75	2									
DL4448	100	4									
DLM4148	100		500	0.5	5.0	1.0	10	100	Micro Melf (No.: 36)		
DLM4448	100	4									
DLQ4148	100		500	0.5	5.0	1.0	10	100	Quadro Melf (No.: 37)		
DLQ4448	100	4									

NOTE: * Suffix "M" stands for "DO-34" package.(e.g.: 1N4148M)