



SWITCHING DIODES

Part Number	Peak Reverse Voltage	Maximum Reverse Current @ 25°C		Maximum Forward Voltage Drop Current		Junction Capacitance $V_R = 4.0V$, $f = 1MHz$	Reverse Recovery Time	Maximum Power Dissipation @ $T_A = 25°C$
	PRV	$I_R @ V_R$		$V_F @ I_F$		C_j Max.	t_{rr} Max.	P_D
	V	μA	V	V	mA	pF	nS	mW

150mW-500mW SWITCHING DIODE / DO-34

1SS136	75	0.5	65	1.0	100	3.0	2.0	300
1SS244	250	10	220	1.5	200	3.0	75	300
1SS265	35	0.1	20	.85	10	1.5	---	150
1N4148M	75	0.025	20	1.00	10.0	4.0	4.0	500

300mW-500mW SWITCHING DIODE / DO-35

1N4148	100	0.025	20	1.00	10.0	4.0	4.0	500
1N4150	50	0.1	50	1.00	100	2.5	4.0	500
1N4151	75	.05	50	1.00	50	2.0	4.0	500
1N4154	35	0.1	25	1.00	50	4.0	4.0	500
1N4448	100	0.025	20	1.00	100	4.0	4.0	500
1N4454	75	0.1	50	1.00	10.0	4.0	4.0	400
1SS133	90	0.5	80	1.20	100	2.0	4.0	300

500mW SWITCHING DIODE / DO-35

1N914	100	0.025	20	1.00	10.	4.0	4.0	500
1N914A	100	0.025	20	1.00	20	4.0	4.0	500
1N914B	100	0.025	20	1.00	100	4.0	4.0	500
1N916	100	0.025	20	1.00	10	2.0	4.0	500
1N916A	100	0.025	20	1.00	20	2.0	4.0	500
1N916B	100	0.025	20	1.00	20	2.0	4.0	500

300mW~500mW SWITCHING DIODE / MIRCROMELF / SURFACE MOUNT

BAV300	50	0.1	50	1.0	100	1.5	50	300
BAV301	100	0.1	50	1.0	100	1.5	50	300
BAV302	150	0.1	50	1.0	100	1.5	50	300
BAV303	200	0.1	50	1.0	100	1.5	50	300
MCL4148	100	0.025	20	1.0	50	4.0	4.0	500
MCL4448	100	0.025	20	1.0	100	4.0	4.0	500

500mW SWITCHING DIODE / GLASS MINIMELF / SURFACE MOUNT

DL4148	100	0.025	20	1.00	10.0	4.0	4.0	500
DL4150	50	0.1	50	1.00	100	2.5	4.0	500
DL4151	75	.05	50	1.00	50	2.0	2.0	500
DL4154	35	.1	25	1.00	10.0	4.0	2.0	500
DL4448	100	0.025	20	1.00	100	4.0	4.0	500
DL4454	75	.1	50	1.00	10.0	2.0	4.0	500
DL914	100	0.025	20	1.00	10.0	4.0	4.0	500



Part Number	Peak Reverse Voltage	Maximum Reverse Current @ 25°C		Maximum Forward Voltage Drop Current		Junction Capacitance $V_R = 4.0V$, $f = 1MHz$	Reverse Recovery Time	Maximum Power Dissipation @ $T_A = 25°C$	Marking Code
	PRV	$I_R @ V_R$		$V_F @ I_F$		C_j Max.	t_{rr} Max.	P_D	
	V	μA	V	V	mA	pF	nS	mW	

150mW - 350mW SWITCHING DIODE / SOT-23 / SURFACE MOUNT

1SS181	2*	80	0.5	80	1.2	100	4.0	4.0	150	A3
1SS184	3*	80	0.5	80	1.2	100	3.0	4.0	150	B3
1SS193	1*	80	0.5	80	1.2	100	3.0	4.0	150	F3
1SS226	4*	80	0.5	80	1.2	100	3.0	4.0	150	C3
BAS16	1*	100	1.0	75	1.25	150	2.0	4.0	350	A6
BAS116	1*	75	0.005	75	1.0	10.0	2.0	3000	225	JV
BAS19	1*	120	0.1	100	1.25	100	5.0	50	250	JP
BAS20	1*	200	0.1	150	1.25	100	5.0	50	250	JR
BAS21	1*	250	0.1	200	1.25	100	5.0	50	250	JS
BAS21A	2*	250	1.0	200	1.1	100	5.0	50	225	JS2
BAS21C	2*	250	1.0	200	1.1	100	5.0	50	225	JS3
BAS21S	2*	250	1.0	200	1.1	100	5.0	50	225	JS4
BAW56	2*	75	2.5	75	.855	10.0	2.0	4.0	350	A1/JC
BAV70	3*	75	2.5	75	.855	10.0	2.0	4.0	350	A4/JA
BAV99	4*	75	2.5	75	.855	10.0	2.0	4.0	350	A7/JG
BAW156	2*	75	0.005	75	1.0	10.0	3.0	3000	250	JZ
BAV170	3*	85	0.005	75	1.0	10.0	2.0	3000	250	JX
BAV199	4*	70	0.005	75	1.0	10.0	2.0	3000	250	JY
CMP5H-3	1*	30	0.5	25	1.0	100	4.0	4.0	350	D95
CMP5H-3A	2*	30	0.5	25	1.0	100	4.0	4.0	350	DB1
CMP5H-3C	3*	30	0.5	25	1.0	100	4.0	4.0	350	DB2
CMP5H-3S	4*	30	0.5	25	1.0	100	4.0	4.0	350	DA5
MMBD4148	1*	100	0.025	20	.855	10.0	2.0	4.0	350	KA2/A2
MMBD4148CA	2*	75	0.025	20	1.0	10	4.0	4.0	350	D6
MMBD4148CC	3*	75	0.025	20	1.0	10	4.0	4.0	350	D5/KD5
MMBD4148SE	4*	75	0.025	20	1.0	10	4.0	4.0	350	D4
MMBD4448	1*	100	2.5	75	1.00	100	4.0	4.0	350	KA3
MMBD914	4*	100	0.025	20	0.855	10.0	2.0	4.0	350	5D

200mW - 350mW SWITCHING DIODE / SOT-323 / SURFACE MOUNT

BAS16WT	1*	75	1.0	75	1.25	150	2.0	4.0	200	A2/KA2
BAS19WT	1*	100	0.1	100	1.0	100	5.0	50	200	KA8
BAS20WT	1*	150	0.1	150	1.0	100	5.0	50	200	KT2
BAS21WT	1*	200	0.1	200	1.0	100	5.0	50	200	KT3
BAW56WT	2*	75	2.5	75	1.25	150	2.0	4.0	200	KJC
BAV70WT	3*	75	2.5	75	1.25	150	2.0	4.0	200	KJA
BAV99WT	4*	75	2.5	75	1.25	150	2.0	4.0	200	KJG
MMBD4148WT	1*	75	1.0	75	1.25	150	2.0	4.0	200	A2/KA2
MMBD4448WT	1*	75	2.5	75	1.25	150	4.0	4.0	350	KA3

150mW SWITCHING DIODE / SOT-523 / SURFACE MOUNT

BAS16T	1*	85	2.0	75	.855	10	1.5	4.0	150	A2
BAS21T	1*	250	0.1	250	1.0	100	5.0	50	150	T3
BAW56T	2*	85	2.0	75	.855	10	1.5	4.0	150	JD
BAV70T	3*	85	2.0	75	.855	10	1.5	4.0	150	JJ
BAV99T	4*	85	2.0	75	.855	10	1.5	4.0	150	JE
DAN222	3*	80	0.1	10	1.2	1.0	3.5	4.0	150	N
DAP222	2*	80	0.1	10	1.2	1.0	3.5	4.0	150	P

*Pin Configuration - Top View

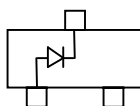


Figure 1

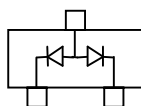


Figure 2

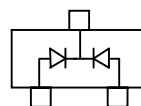


Figure 3

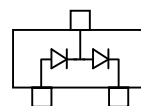


Figure 4



Part Number	Peak Reverse Voltage	Maximum Reverse Current @ 25°C		Maximum Forward Voltage Drop Current		Junction Capacitance $V_R = 4.0V$, $f = 1MHz$	Reverse Recovery Time	Maximum Power Dissipation @ $T_A = 25°C$	Marking Code/Pin Identity
	PRV	$I_R @ V_R$		$V_F @ I_F$		C_j Max.	t_{rr} Max.	P_D	
	V	μA	V	V	mA	pF	nS	mW	

200mW SWITCHING DIODE / SOT-363 / SURFACE MOUNT

BAS16TW	75	1.0	75	.715	1.0	2.0	4.0	200	KA2/Fig.1
BAW56DW	75	2.5	75	.715	1.0	2.0	4.0	200	KJC/Fig.2
BAV70DW	75	2.5	75	.715	1.0	2.0	4.0	200	KJA/Fig.2
BAV99DW	75	2.5	75	.715	1.0	2.0	4.0	200	KJG/Fig.3
MMBD4148TW	75	1.0	75	.715	1.0	2.0	4.0	200	KA2/Fig.1
MMBD4448DW	100	2.5	75	.855	10	4.0	4.0	200	KA3/Fig.4
MMBD4448HAQW	100	0.025	20	.855	10	3.5	4.0	200	KA5/Fig.5
MMBD4448HADW	100	0.025	20	.855	10	3.5	4.0	200	KA6/Fig.6
MMBD4448HCDW	100	0.025	20	.855	10	3.5	4.0	200	KA7/Fig.2
MMBD4448HCQW	100	0.025	20	.855	10	3.5	4.0	200	KA4/Fig.7
MMBD4448HSDW	100	0.025	20	.855	10	3.5	4.0	200	KA8/Fig.3
MMBD4448HTW	100	0.025	20	.855	10	3.5	4.0	200	KA4/Fig.1

150mW SWITCHING DIODE / SOT-563 / SURFACE MOUNT

BAS16V	75	0.025	20	.715	1.0	2.0	4.0	150	KAM/Fig.4
MMBD4448V	80	0.1	70	.855	10	3.5	4.0	150	KAL/Fig.4

350-500mW SWITCHING DIODE / SOD-123 / SURFACE MOUNT

1N4148W	100	5.0	75	1.0	10	4.0	4.0	200	T4/A2
1N4448W	100	0.025	20	1.0	100	4.0	4.0	500	T5
BAS16W	85	1.0	75	.855	10.0	2.0	6.0	350	T6/A6
BAV19W	120	0.1	100	1.0	100	1.5	50	410	A8
BAV20W	200	0.1	150	1.0	100	1.5	50	410	T2/A80
BAV21W	250	0.1	200	1.0	100	1.5	50	410	T3/A82
MMSD914	75	5.0	75	1.0	10	4.0	4.0	400	5D

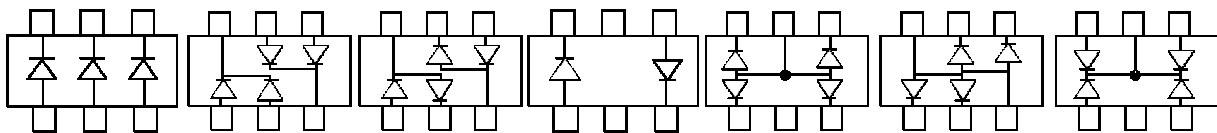


Fig.1

Fig.2

Fig.3

Fig.4

Fig.5

Fig.6

Fig.7



Part Number	Peak Reverse Voltage	Maximum Reverse Current @ 25°C		Maximum Forward Voltage Drop Current		Junction Capacitance $V_R = 4.0V$, $f = 1MHz$	Reverse Recovery Time	Maximum Power Dissipation @ $T_A = 25°C$	Marking Code/Pin Identity
	PRV	$I_R @ V_R$		$V_F @ I_F$		C_j Max.	t_{rr} Max.	P_D	
	V	μA	V	V	mA	pF	nS	mW	

200mW-500mW SWITCHING DIODE / SOD-323 / SURFACE MOUNT

1N4148WX	100	5.0	75	1.0	50	4.0	4.0	200	T4
1N4448WX	100	2.5	75	.855	10	4.0	4.0	200	T5
1SS355	80	0.1	80	1.2	100	3.0	4.0	200	A
1SS357	45	5.0	40	0.6	100	25	----	200	S31
1SS404	25	50	20	0.38	300	---	46	200	S51
BAS16WX	85	1.0	75	.855	10.0	2.0	6.0	350	A6/T4
BAS21WX	250	0.1	200	1.0	100	5.0	50	200	JS
MMDL914	100	0.025	20	1.0	10	4.0	4.0	200	5D

150mW -200mW SWITCHING DIODE / SOD-523 / SURFACE MOUNT

1SS389	15	20	10	0.5	100	40	----	150	S4
1SS400	90	0.1	80	1.2	100	3.0	4.0	150	A
1N4148X	100	0.025	20	.855	10.0	2.0	4.0	200	T4
1N4448X	100	0.025	20	.855	10.0	4.0	4.0	150	T5
BAS16X	75	1.0	75	.855	10	2.0	6.2	150	A6

350mW SWITCHING DIODE / SOT-23 / SURFACE MOUNT

MMBD1501(A)	200	0.01	180	1.3	200	4.0	---	350	(A)11/ Fig.1
MMBD1503(A)	200	0.01	180	1.3	200	4.0	---	350	(A)13/ Fig.4
MMBD1504(A)	200	0.01	180	1.3	200	4.0	---	350	(A)14/ Fig.3
MMBD1505(A)	200	0.01	180	1.3	200	4.0	---	350	(A)15/ Fig.2

Pin Configuration - Top View

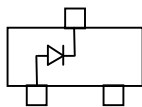


Figure 1

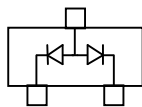


Figure 2

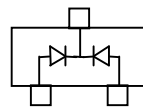


Figure 3

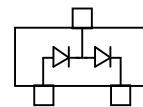


Figure 4