

SOT-23 Switching Diodes (Dual Unless Otherwise Noted)

Diode Pinout: Noted Below

Device	Marking	Description	Pinout	t_{rr} Max (ns)	V_{BR} Min (V)	I_R Max (μ A)	V_F			C_V Max (pF)
							Min (V)	Max (V)	@ I_F (mA)	
MMBD2836	A2	Common Anode	(5)	6(1)	75	0.1	—	1.0	10	4.0
MBAW56	A1	Common Anode	(5)	6(1)	70	2.5	—	1.1	50	1.5
MMBD2835	A3	Common anode	(5)	6(1)	35	0.1	—	1.0	10	4.0
MBAV74	JA	Common Cathode	(3)	2(2)	50	0.1	—	1.0	100	2.0
MMBD2838	A6	Common Cathode	(3)	6(1)	75	0.1	—	1.0	10	4.0
MBAV70	A4	Common Cathode	(3)	6(1)	70	2.5	—	1.1	50	1.5
MMBD2837	A5	Common Cathode	(3)	6(1)	35	0.1	—	1.0	10	4.0
MMBD6100	5B	Common Cathode	(3)	15(1)	70	0.1	0.85	1.1	100	2.5
MMBD914	5D	Single	(6)	4(2)	100	0.05	—	1.0	10	4.0
MBAS16	A6	Single	(6)	6(1)	75	1.0	—	0.715	1.0	2.0
MBAL99	TF	Single	(7)	6(1)	70	2.5	—	1.1	50	1.5
MMBD6050	5A	Single	(6)	10(1)	70	0.1	0.85	1.1	100	2.5
MBAV99	A7	Series	(4)	6(1)	70	2.5	—	1.1	50	1.5
MMBD7000	5C	Series	(4)	15(1)	100	0.3	0.75	1.1	100	1.5

Notes: (1) $I_F = I_R = 10$ mA, $V_R = 5.0$ V, $I_{RR} = 1.0$ mA
 (2) $I_F = I_R = 10$ mA, $V_R = 6.0$ V, $I_{RR} = 1.0$ mA
 (3) Pinout: 1-Anode, 2-Anode, 3-Cathode
 (4) Pinout: 1-Anode, 2-Cathode, 3-Cathode and Anode
 (5) Pinout: 1-Cathode, 2-Cathode, 3-Anode
 (6) Pinout: 1-Anode, 2-N.C., 3-Cathode
 (7) Pinout: 1-N.C., 2-Anode, 3-Cathode

SOT-23 Tuning Diodes

Tuning Diode Pinouts: 1-Anode, 2-N.C., 3-Cathode

Device	Marking	BV_R		C_T			Capacitance Ratio		Q			R_S	V_F		I_R	
		Min (V)	@ I_R (μ A)	Min (pF)	Max (pF)	@ V_R (V)	Min	Max	Min	@ V_R (V)	& f (MHz)	Max (ohms)	Max (V)	@ I_F (mA)	Max (μ A)	@ V_R (V)

TUNING DIODES

MMBV2097	4K	30	10	0.8	1.2	4	2	2.6	325	4	100	—	—	—	0.02	25
MMBV2098	4L			1.8	2.7			2.8				—	—	—		
MMBV105G	4E			1.8	2.8	2.5	4	6	150	(1)	100	—	—	—	0.05	28
MMBV2101	4G	30	10	6.1	7.5	4	2.5	3.3	450	4	50	—	—	—	0.02	25
MMBV2103	4H			9.0	11		2.6		400			—	—	—		
MMBV3102	4C	30	10	20	25	3	4.5	—	300	3	50	—	—	—	0.1	25
MMBV2108	4X	30	10	24.3	29.7	4	2.7	3.3	300	4	50	—	—	—	0.02	25
MMBV109	4A	30	10	26	32	0.3	5	6.5	280	3	50	—	—	—	0.02	25
MMBV2109	4J	30	10	29.7	36.3	4	2.7	3.3	200	4	50	—	—	—	0.02	25

"PIN CHANNEL SWITCH"

MMBV3401	4D	35	10	—	1	20	—	—	—	—	—	0.7	—	—	0.1	25
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HOT CARRIER DIODES

MMBD101	4M	4	10	—	1	0	—	—	—	—	—	—	0.6	10	0.25	3
MMBD352 (Dual)	5G	4	0.25	—			—	—	—	—	—	—	0.50			
MMBD501	5F	50	10	—		20	—	—	—	—	—	—	1.2		0.2	25

Notes: (1) Voltage such that $C_T = 9.0$ pF