

SWITCHING

($T_a = 25^\circ\text{C}$)

Type No.	Application	Max. ratings						Reverse current I_R (μA) (max)	Capacitance between pins C_t (pF) (typ)	Reverse recovery time t_{rr} (ns) (typ)	Package outline	Remarks
		V_{RM} (V)	V_R (V)	I_{RPM} (A)	I_{RM} (mA)	I_B (mA)	P_T (mW)					
MC911	HSS	75	50	4	300	100	300	0.1	2.8	1.3	Small 3 Pin	Anode common
MC921	HSS	75	50	4	300	100	300	0.1	1.0	1.3		Cathode common
MC932	MSS	35	30	4	300	100	150	0.1	8	140		Series type
MC961	★★ HSS	75	50	4	300	100	300	0.1	2.8	1.3	Small 3 Pin	For MC911
MC971	★★ HSS	75	50	4	300	100	300	0.1	1.0	1.3		For MC921
MC982	★★ MSS	35	30	4	300	100	150	0.1	8	140	(frame type)	For M932
MC2836	HSS	75	50	4	300	100	150	0.1	2.8	1.3	SC-59	Anode common
MC2838	HSS	75	50	4	300	100	150	0.1	1.0	1.3		Cathode common
MC2840	MSS	35	30	4	300	100	150	0.1	8	140		Series type
MC2846	HSS	75	50	4	300	100	150	0.1	2.8	1.3	SC-70	Anode common
MC2848	HSS	75	50	4	300	100	150	0.1	1.0	1.3		Supper
MC2850	MSS	35	30	4	300	100	150	0.1	8	140	Mini-chip	Series type
MC2831	HSS	75	50	4	300	100	150	0.1	2.8	1.3	SC-59	Single type
MC2832	HSS	75	50	4	300	100	150	0.1	1.2	1.3		Single type
MC2833	HSS	75	50	4	300	100	150	0.1	2.8	1.3		Single type
MC2834	HSS	75	50	4	300	100	150	0.1	1.2	1.3		Single type
MC2835	MSS	35	30	4	300	100	150	0.1	8	140		Series type
MC2841	HSS	75	50	4	300	100	150	0.1	2.8	1.3		Single type
MC2842	HSS	75	50	4	300	100	150	0.1	2.8	1.3		Single type
MC2843	HSS	75	50	4	300	100	150	0.1	1.2	1.3	SC-70	Single type
MC2844	HSS	75	50	4	300	100	150	0.1	1.2	1.3		Single type
MC2845	MSS	35	30	4	300	100	150	0.1	8	140		Series type
MC2852	★★ HSS	75	50	4	300	100	150	0.1	1.2	1.3	Ultra	Single type
MC2854	★★ HSS	75	50	4	300	100	150	0.1	1.2	1.3	Super mini	Single type

SILICON BILATERAL SWITCHING DEVICE

Type No.	Max. ratings			Electrical characteristics		Package outline
	DC on-current I_T (mA)	Repetitive peak on-current I_{TRM} (A)	Junction temperature T_J ($^\circ\text{C}$)	Switching voltage V_S (V)	Switching voltage temperature coefficient (%/ $^\circ\text{C}$)	
BS08A	175 ($T_a = 25^\circ\text{C}$)	1.0 (1% duty, $t_w = 10 \mu\text{s}$, $T_a = 100^\circ\text{C}$)	125	7 to 9	± 0.01 ($T_a = -55$ to $+85^\circ\text{C}$)	SC-43
BS08D	★★ 175 ($T_a = 25^\circ\text{C}$)	1.0 (1% duty, $t_w = 10 \mu\text{s}$, $T_a = 100^\circ\text{C}$)	125	7 to 9	± 0.01 ($T_a = -55$ to $+85^\circ\text{C}$)	Small 3Pin (Frame type) For BS08A