MOLD TYPE BIPOLAR TRANSISTORS
Ratings and Specifications

1 High speed switching transistors

- Suitable for 50kHz class switching regulators
- Allows transformers to be reduced in size

Device type	V_{CBO} Volts	V_{CEO} Volts	V_{CEO} (sus) Volts	I_C cont. Amps.	P_C Watts	h_{FE} min.	I_C Amps.	V_{CE} Volts	Switching time (Max.) t_{on} µsec.	t_{stg} µsec.	t_f µsec.	Package	Net mass Grams
2SC2438	150	80	80	7	50	60	1	1	0.5	2.5	0.3	TO-220AB	2
2SC4383	200	180	180	8	40	30	3	4	2.0	4.0	1.0	TO-220F17	2.5
2SC2767	300	200	200	5	60	20	1	5	1.0	2.0	1.0	TO-220AB	2
2SC2768	250	200	200	10	50	25	2	5	0.8	2.0	0.5	TO-220AB	2
2SC2769	300	200	200	10	100	20	2	5	0.8	2.0	0.5	TO-3P	6
2SC2944	250	200	200	15	100	20	2	5	0.8	1.5	0.4	TO-3P	6
2SC2626	400	300	300	15	80	10	6	5	0.8	2.0	0.8	TO-3P	6
2SC2440	450	400	400	5	40	15	2	5	1.5	4.0	1.3	TO-220AB	2
2SC3723	450	400	400	5	40	10	2	5	1.0	2.5	0.5	TO-220AB	2
2SC3822	450	400	400	5	30	10	2	5	1.0	2.5	0.5	TO-220F17	2.5
2SC3821	450	400	400	5	40	10	2	5	1.0	2.5	1.0	TO-220F17	2.5
2SC4242	450	400	400	7	40	10	4	5	1.0	2.5	0.5	TO-220AB	2
2SC4977	450	400	400	7	40	10	4	5	1.0	2.5	0.5	TO-220F15	2.5
2SC2625	450	400	400	10	80	10	4	5	1.0	2.0	1.0	TO-3P	6
2SC2929	500	400	400	3	60	20	0.5	5	1.5	2.0	0.8	TO-220AB	2
2SC4622	500	400	400	7	40	10	4	5	1.0	2.5	0.5	TO-220AB	2
2SC4795	500	400	400	30	120	20	12	5	1.0	2.5	0.5	TO-3P	6
2SC2542	650	400	400	5	60	10	2	5	1.0	2.0	1.0	TO-220AB	2
2SC4786	900	500	500	5	40	20	1	5	1.0	4.0	0.5	TO-220F15	2.5
2SC3047	850	500	500	6	40	15	0.5	5	1.0	3.0	1.0	TO-220AB	2
ET405	450	400	400	10	80	10	4	5	1.0	2.0	1.0	TO-3PF	6
ET403	850	500	500	6	40	15	0.5	5	1.0	3.0	1.0	TO-220F17	2.5
ET206	850	500	500	10	80	15	1	5	1.0	3.5	1.0	TO-3P	6

Letter symbols

V_{CBO}: Collector-to-base voltage (Emitter open)
V_{CEO}: Collector-to-emitter voltage (Base open)
V_{CE}: Collector-to-emitter saturation voltage

V_{CEO} (sus): Collector-to-emitter sustaining voltage (Base open)
V_{CEX} (sus): Collector-to-emitter sustaining voltage (Base reverse bias)
I_C (cont): Collector-current (continuous)
P_C: Maximum power dissipation

h_{FE}: DC current gain
t_{on}: Turn-on time
t_{stg}: Storage time
t_f: Fall time
SOA: Safe operating area