BIPOLAR TRANSISTORS
Ratings and Specifications

T-35-19

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 weight Grams
2SC4383	200	180	180	8	40	30	3	4	2.0	4.0	1.0	TO-220F	2.5
2SC2767	300	200	200	5	60	20	1	5	1.0	2.0	1.0	TO-220AB	2
2SC2769	300	200	200	10	100	20	2	5	0.8	2.0	0.5	TO-3P	6
2SC3822	450	400	400	5	30	10	2	5	1.0	2.5	0.5	TO-220F	2.5
2SC3723	450	400	400	5	40	10	2	5	1.0	2.5	0.5	TO-220AB	2
2SC3821	450	400	400	5	40	10	2	5	1.0	2.5	1.0	TO-220F	2.5
2SC4242	450	400	400	7	40	10	4	5	1.0	2.5	0.5	TO-220AB	2
2SC3724	450	400	400	10	80	10	4	5	1.0	2.5	0.5	TO-3P	6
2SC2625	450	400	400	10	80	10	4	5	1.0	2.0	1.0	TO-3P	6
2SC3725	450	400	400	15	80	10	6	5	1.0	2.5	0.5	TO-3P	6
2SC2929	500	400	400	3	60	20	0.5	5	1.5	2.0	0.8	TO-220AB	2
2SC3865	500	400	400	5	40	10	2	5	0.5	1.5	0.15	TO-220F	2.5
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
2SC2245	650	400	400	10	120	10	4	5	1.0	2.0	1.0	TO-3	17
2SC2246	650	400	400	15	120	10	6	5	1.0	2.0	1.0	TO-3	17
2SC2623	650	400	400	20	120	10	8	5	1.0	3.0	1.0	TO-3	17
2SC4786	900	500	500	5	40	20	1	5	1.0	4.0	0.5	TO-3PF	6
ET359	300	200	200	8	80	80	1	4	2.0	4.0	1.0	TO-3P	6
ET405	450	400	400	10	80	10	4	5	1.0	2.0	1.0	TO-3PF	6
ET364	450	400	400	20	80	10	8	5	1.0	3.0	1.0	TO-3P	6
ET389	500	400	400	5	30	18	1.2	2	1.0	3.0	0.5	TO-220F	2.5
ET403	850	500	500	6	40	15	0.5	5	1.0	3.0	1.0	TO-220F	2.5

Letter symbols

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

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