

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 _{CB0}	V _{CE0}	V _{CE0} (sus)	I _c cont.	P _c	h _{FE} min.	I _c Amps.	V _{CE} Volts	Switching time (Max.)			Package	Net weight Grams
	Volts	Volts	Volts	Amps.	Watts				t _{on} μsec.	t _{stg} μsec.	t _f μsec.		
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_{CB0}: Collector-to-base voltage (Emitter open)V_{CE0}: Collector-to-emitter voltage (Base open)V_{CE}: Collector-to-emitter voltageV_{CE0} (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 dissipationh_{FE}: DC current gaint_{on}: Turn-on timet_{stg}: Storage timet_f: Fall time

SOA: Safe operating area