

T-35-19

**2 Super high speed switching transistors**

- Suitable for 100kHz class switching regulators

Device type	V <sub>CB0</sub>	V <sub>CEO</sub>	V <sub>CEO</sub> (sus)	I <sub>c</sub> cont.	P <sub>c</sub>	h <sub>FE</sub> min.	I <sub>c</sub>	V <sub>CE</sub>	Switching time (Max.)			Package	Net weight Grams
	Volts	Volts	Volts	Amps.	Watts		Amps.	Volts	t <sub>on</sub> μsec.	t <sub>stg</sub> μsec.	t <sub>r</sub> μsec.		
2SC3317	500	400	400	5	40	10	2	5	0.5	1.5	0.15	TO-220AB	2
2SC3318	500	400	400	10	80	10	5	5	0.5	1.5	0.15	TO-3P	6
2SC3319	500	400	400	10	100	10	5	5	0.5	1.5	0.15	TO-3	17
2SC3320	500	400	400	15	80	10	6	5	0.5	1.5	0.15	TO-3P	6
2SC4750	500	400	400	15	80	10	6	5	0.5	1.5	0.15	TO-3P	6
2SC4831	500	400	400	15	80	10	6	5	0.5	1.5	0.15	TO-3PF	6
2SC3321	500	400	400	15	100	10	6	5	0.5	1.5	0.15	TO-3	17
ET400	500	400	400	10	80	10	5	5	0.5	1.5	0.15	TO-3PF	6
ET401	500	400	400	15	80	10	6	5	0.5	1.5	0.15	TO-3PF	6

**3 High speed switching transistors for ringing choke converter**

- The DC current gain is high. (min. 20)
- High speed switching performance

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	Volts	Volts	Volts	Amps.	Watts		Amps.	Volts	t <sub>on</sub> μsec.	t <sub>stg</sub> μsec.	t <sub>r</sub> μsec.		
2SC4273	500	400	400	5	40	20	2	5	1.0	2.5	0.5	TO-220AB	2
2SC4507	500	400	400	5	40	20	2	5	1.0	2.5	0.5	TO-220F	2.5
2SC4274	500	400	400	10	40	20	4	5	1.0	2.5	0.5	TO-220AB	2
2SC4508	500	400	400	10	40	20	4	5	1.0	2.5	0.5	TO-220F	2.5
2SC4275	500	400	400	10	80	20	4	5	1.0	2.5	0.5	TO-3P	6
2SC4509	500	400	400	10	80	20	4	5	1.0	2.5	0.5	TO-3PF	6
2SC4276	500	400	400	15	80	20	6	5	1.0	2.5	0.5	TO-3P	6
2SC4510	500	400	400	15	80	20	6	5	1.0	2.5	0.5	TO-3PF	6

**4 Large SOA switching transistors**

- An especially wide SOA with high-speed switching
- Excellent surge resistant characteristics
- Suitable for switching regulators, series regulators, electronic ignitors and similar devices

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	Volts	Volts	Volts	Amps.	Watts		Amps.	Volts	t <sub>on</sub> μsec.	t <sub>stg</sub> μsec.	t <sub>r</sub> μsec.		
2SC2656	450	400	400	7	80	10	3	4	1.5	3.0	1.5	TO-3P	6
2SC2437	450	400	400	7	100	10	3	4	1.5	3.0	1.5	TO-3	18