FUJITSU

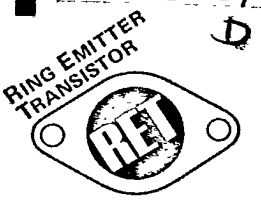
SILICON HIGH SPEED POWER TRANSISTOR

LOW VOLTAGE HIGH SPEED POWER TRANSISTOR

Type No.		Case	Maximum Ratings									
NPN	PNP		V_{CBO} (V)	V_{EBO} (V)	V_{CEO} (V)	I_C (A)	P_C (W)	T_J (°C)	V_{CE} (V)	V_{CE} (A)	h_{FE1}	
2SC2530	2SA1080	TO-220	40	7	40	0.5	20	150	5	0.01	100–350	
FT1551	FT2551	TO-66	120	4	120	2	20	150	5	0.01	60–350	
2SC2528	2SA1078	TO-220	120	5	120	2	25	150	5	0.3	60–350	
2SC2527	2SA1077	TO-220	120	7	120	10	60	150	5	1	60–200	
2SC2522	2SA1072	TO-3	120	7	120	12	120	150	5	1	60–200	
2SC2523	2SA1073	TO-3	160	7	160	12	120	150	5	1	60–200	
2SC2525	2SA1075	RM-60	120	7	120	12	120	150	5	1	60–200	
2SC2526	2SA1076	RM-60	160	7	160	12	120	150	5	1	60–200	
2SC2431	2SA1041	TO-3	120	5	120	15	100	175	5	1.5	35–200	
2SC2432	2SA1042	TO-3	70	5	70	15	100	175	5	1.5	35–200	
2SC2433	2SA1043	TO-3	120	5	120	30	150	175	5	3	35–200	
2SC2434	2SA1044	TO-3	70	5	70	30	150	175	5	3	35–200	
2SC2428	—	TO-3	180	7	180	12	120	175	5	0.5	35–200	
—	2SA1180	TO-3	180	7	180	10	100	175	—	—	—	
—	2SA1250	TO-66	200	7	200	8	30	175	—	—	—	

HIGH SPEED POWER POWER DARLINGTON TRANSISTOR

2SC2435	2SA1045	TO-3	100	5	100	10	100	175	3	2	1000–20000	



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Electrical Characteristics (T_a = 25°C)												Type No.	
V_{CE} (V)	I_C (A)	h_{FE2} min.	I_C (A)	I_B (A)	V_{CE} (sat) Max. (V)	V_{BE} (sat) Max. (V)	f_T Typ. (MHz)	I_C (A)	t_r Typ. (μs)	t_{stg} Typ. (μs)	t_f Typ. (μs)	PNP	NPN
–	–	–	10mA	1m	0.5	1.0	35 *30	–	–	–	–	2SA1080	2SC2530
5	0.3	50	0.7	70m	1.0	V_{CE}=5V, I_C=0.7A (1.5)	85 *60	–	–	–	–	FT2551	FT1551
5	0.7	50	0.7	70m	1.0	V_{CE}=5V, I_C=0.7A (1.7)	160 *140	–	–	–	–	2SA1078	2SC2528
5	5	40	5	0.5	1.8	V_{CE}=5V, I_C=5A (1.7)	80 *60	7.5	0.3 *0.15	1.3 0.5	0.2 0.1	2SA1077	2SC2527
5	7	40	5	0.5	1.8	V_{CE}=5V, I_C=5A (1.7)	80 *60	7.5	0.3 *0.15	1.3 0.5	0.2 0.1	2SA1072	2SC2522
5	7	40	5	0.5	1.8	V_{CE}=5V, I_C=5A (1.7)	80 *60	7.5	0.3 *0.15	1.3 0.5	0.2 0.1	2SA1073	2SC2523
5	7	40	5	0.5	1.8	V_{CE}=5V, I_C=5A (1.7)	80 *60	7.5	0.3 *0.15	1.3 0.5	0.2 0.1	2SA1075	2SC2525
5	7	40	5	0.5	1.8	V_{CE}=5V, I_C=5A (1.7)	80 *60	7.5	0.3 *0.15	1.3 0.5	0.2 0.1	2SA1076	2SC2526
5	15	7	7	0.7	1.5	1.8	80 *60	7.5	0.2 *0.15	0.7 0.24	0.12 0.08	2SA1041	2SC2431
5	15	10	7	0.7	1.5	1.8	80 *60	7.5	0.2 *0.15	0.7 0.24	0.12 0.08	2SA1042	2SC2432
5	30	7	15	1.5	1.5	2.0	80 *60	15	0.28 *0.2	0.7 0.24	0.15 0.08	2SA1043	2SC2433
5	30	10	15	1.5	1.5	2.0	80 *60	15	0.28 *0.1	0.7 0.24	0.15 0.08	2SA1044	2SC2434
5	5	15	5	1	0.8	1.5	80	7.5	0.2	0.6	0.15	–	2SC2428
1	5	10	5	0.5	1.0	1.5	40	5	0.15	0.15	0.08	2SA1180	–
1	5	10	5	0.5	1.0	1.5	40	5	0.15	0.15	0.08	2SA1250	–

( ) $V_{BE\ (on)}$

	3	10	100	5	10mA	2.0	3.0	–	7.5	0.4	1.5	0.4	2SA1045	2SC2435