Transistoren

Transistors

NF-Transistoren
Transistoren für allgemeine und Schaltanwendungen

AF-Transistors
General Purpose and Switching Transistors

Type N = NPN P = PNP		Maximum Ratings V_{CE0} V	I_{CM} mA	P_{tot} mW	Characteristics (T_A = 25 °C) f_T MHz	I_{CB0} nA	at V_{CB0} V	h_{FE}	at I_C mA	V_{CE} V	V_{CEsat} V	at I_C mA	I_B mA	Package	Lead Code
BC 807	**P**	45	1000	330	200	≤ 100	25	100 - 630*	100	1	≤ 0.70	500	50	SOT-23	8
▼ **BC 807W**	**P**	45	1000	250	200	≤ 100	25	100 - 630*	100	1	≤ 0.70	500	50	SOT-323	8
BC 808	**P**	25	1000	330	200	≤ 100	25	100 - 630*	100	1	≤ 0.70	500	50	SOT-23	8
▼ **BC 808W**	**P**	25	1000	250	200	≤ 100	25	100 - 630*	100	1	≤ 0.70	500	50	SOT-323	8
BC 817	**N**	45	1000	330	170	≤ 100	25	100 - 630*	100	1	≤ 0.70	500	50	SOT-23	7
▼ **BC 817W**	**N**	45	1000	250	170	≤ 100	25	100 - 630*	100	1	≤ 0.70	500	50	SOT-323	7
BC 818	**N**	25	1000	330	170	≤ 100	25	100 - 630*	100	1	≤ 0.70	500	50	SOT-23	7
▼ **BC 818W**	**N**	25	1000	250	170	≤ 100	25	100 - 630*	100	1	≤ 0.70	500	50	SOT-323	7
BC 846	**N**	65	200	330	250	≤ 15	30	110 - 450*	2	5	≤ 0.60	100	5	SOT-23	7
▼ **BC 846W**	**N**	65	200	250	250	≤ 15	30	110 - 450*	2	5	≤ 0.60	100	5	SOT-323	7
BC 847	**N**	45	200	330	250	≤ 15	30	110 - 800*	2	5	≤ 0.60	100	5	SOT-23	7
▼ **BC 847W**	**N**	45	200	250	250	≤ 15	30	110 - 800*	2	5	≤ 0.60	100	5	SOT-323	7
BC 848	**N**	30	200	330	250	≤ 15	30	110 - 800*	2	5	≤ 0.60	100	5	SOT-23	7
▼ **BC 848W**	**N**	30	200	250	250	≤ 15	30	110 - 800*	2	5	≤ 0.60	100	5	SOT-323	7
BC 849	**N**	30	200	330	250	≤ 15	30	200 - 800*	2	5	≤ 0.60	100	5	SOT-23	7
▼ **BC 849W**	**N**	30	200	250	250	≤ 15	30	200 - 800*	2	5	≤ 0 60	100	5	SOT-323	7
BC 850	**N**	45	200	330	250	≤ 15	30	200 - 800*	2	5	≤ 0.60	100	5	SOT-23	7
▼ **BC 850W**	**N**	45	200	250	250	≤ 15	30	200 - 800*	2	5	≤ 0.60	100	5	SOT-323	7
BC 856	**P**	65	200	330	250	≤ 15	30	125 - 475*	2	5	≤ 0.60	100	5	SOT-23	8
▼ **BC 856W**	**P**	65	200	250	250	≤ 15	30	125 - 475*	2	5	≤ 0.60	100	5	SOT-323	8
BC 857	**P**	45	200	330	250	≤ 15	30	125 - 800*	2	5	≤ 0.60	100	5	SOT-23	8
▼ **BC 857W**	**P**	45	200	250	250	≤ 15	30	125 - 800*	2	5	≤ 0.60	100	5	SOT-323	8
BC 858	**P**	30	200	330	250	≤ 15	30	125 - 800*	2	5	≤ 0.60	100	5	SOT-23	8
▼ **BC 858W**	**P**	30	200	250	250	≤ 15	30	125 - 800*	2	5	≤ 0.60	100	5	SOT-323	8
BC 859	**P**	30	200	330	250	≤ 15	30	125 - 800*	2	5	≤ 0.60	100	5	SOT-23	8
▼ **BC 859W**	**P**	30	200	250	250	≤ 15	30	125 - 800*	2	5	≤ 0.60	100	5	SOT-323	8
BC 860	**P**	45	200	330	250	≤ 15	30	220 - 800*	2	5	≤ 0.60	100	5	SOT-23	8
▼ **BC 860W**	**P**	45	200	250	250	≤ 15	30	220 - 800*	2	5	≤ 0.60	100	5	SOT-323	8
BCP 51	**P**	45	1500	1500	125	≤ 100	30	40 - 250*	150	2	≤ 0.50	500	50	SOT-223	21
BCP 52	**P**	60	1500	1500	125	≤ 100	30	40 - 250*	150	2	≤ 0.50	500	50	SOT-223	21
BCP 53	**P**	80	1500	1500	125	≤ 100	30	40 - 250*	150	2	≤ 0.50	500	50	SOT-223	21
BCP 54	**N**	45	1500	1500	100	≤ 100	30	40 - 250*	150	2	≤ 0.50	500	50	SOT-223	22
BCP 55	**N**	60	1500	1500	100	≤ 100	30	40 - 250*	150	2	≤ 0.50	500	50	SOT-223	22
BCP 56	**N**	80	1500	1500	100	≤ 100	30	40 - 250*	150	2	≤ 0.50	500	50	SOT-223	22
BCP 68	**N**	20	2000	1500	100	≤ 100	25	85 - 400*	500	1	≤ 0.50	1000	100	SOT-223	22
BCP 69	**P**	20	2000	1500	100	≤ 100	25	85 - 400*	500	1	≤ 0.50	1000	100	SOT-223	21
BCW 60	**N**	32	200	330	250	≤ 20	32	120 - 630*	2	5	≤ 0.25	10	0.25	SOT-23	7
BCW 61	**P**	32	200	330	250	≤ 20	32	120 - 630*	2	5	≤ 0.25	10	0.25	SOT-23	8
BCW 65	**N**	32	1000	330	170	≤ 20	32	100 - 630*	100	1	≤ 0.70	500	50	SOT-23	7
BCW 66	**N**	45	1000	330	170	≤ 20	45	100 - 630*	100	1	≤ 0.70	500	50	SOT-23	7

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AF-Transistors (cont'd)
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Type N = NPN P = PNP		Maximum Ratings V_{CE0} V	I_{CM} mA	P_{tot} mW	Characteristics (T_A = 25 °C) f_T MHz	I_{CB0} nA	at V_{CB0} V	h_{FE}	at I_C mA	V_{CE} V	V_{CEsat} V	at I_C mA	I_B mA	Package	Lead Code
BCW 67	P	32	1000	330	200	≤ 20	32	100 - 630*	100	1	≤ 0.70	500	50	SOT-23	8
BCW 68	P	45	1000	330	200	≤ 20	45	100 - 630*	100	1	≤ 0.70	500	50	SOT-23	8
BCX 41	N	125	1000	330	100	≤ 100	100	≥ 63	100	1	≤ 0.90	300	30	SOT-23	7
BCX 42	P	125	1000	330	150	≤ 100	100	≥ 63	100	1	≤ 0.90	300	30	SOT-23	8
BCX 51	P	45	1500	1000	125	≤ 100	30	40 - 250*	150	2	≤ 0.50	500	50	SOT-89	23
BCX 52	P	60	1500	1000	125	≤ 100	30	40 - 250*	150	2	≤ 0.50	500	50	SOT-89	23
BCX 53	P	80	1500	1000	125	≤ 100	30	40 - 250*	150	2	≤ 0.50	500	50	SOT-89	23
BCX 54	N	45	1500	1000	100	≤ 100	30	40 - 250*	150	2	≤ 0.50	500	50	SOT-89	10
BCX 55	N	60	1500	1000	100	≤ 100	30	40 - 250*	150	2	≤ 0.50	500	50	SOT-89	10
BCX 56	N	80	1500	1000	100	≤ 100	30	40 - 250*	150	2	≤ 0.50	500	50	SOT-89	10
BCX 68	N	20	2000	1000	100	≤ 100	25	85 - 400*	500	1	≤ 0.50	1000	100	SOT-89	10
BCX 69	P	20	2000	1000	100	≤ 100	25	85 - 400*	500	1	≤ 0.50	1000	100	SOT-89	23
BCX 70	N	45	200	330	250	≤ 20	45	120 - 630*	2	5	≤ 0.25	10	0.25	SOT-23	7
BCX 71	P	45	200	330	250	≤ 20	45	120 - 630*	2	5	≤ 0.25	10	0.25	SOT-23	8
▼ **BDP 947**	N	45	5000	1500	100	100	45	40 - 475	500	1	≤ 0.8	2000	200	SOT-223	22
▼ **BDP 948**	P	45	5000	1500	100	100	45	40 - 475	500	1	≤ 0.8	2000	200	SOT-223	21
▼ **BDP 949**	N	60	5000	1500	100	100	60	40 - 475	500	1	≤ 0.8	2000	200	SOT-223	22
▼ **BDP 950**	P	60	5000	1500	100	100	60	40 - 475	500	1	≤ 0.8	2000	200	SOT-223	21
▼ **BDP 951**	N	80	5000	1500	100	100	80	40 - 475	500	1	≤ 0.8	2000	200	SOT-223	22
▼ **BDP 952**	P	80	5000	1500	100	100	80	40 - 475	500	1	≤ 0.8	2000	200	SOT-223	21
▼ **BDP 953**	N	100	5000	1500	100	100	100	40 - 475	500	1	≤ 0.8	2000	200	SOT-223	22
▼ **BDP 954**	P	100	5000	1500	100	100	100	40 - 475	500	1	≤ 0.8	2000	200	SOT-223	21
▼ **BDP 955**	N	120	5000	1500	100	100	120	40 - 475	500	1	≤ 0.8	2000	200	SOT-223	22
▼ **BDP 956**	P	120	5000	1500	100	100	120	40 - 475	500	1	≤ 0.8	2000	200	SOT-223	21
BSS 63	P	100	1000	330	150	≤ 100	80	≥ 30	10	5	≤ 0.25	25	2.50	SOT-23	8
BSS 64	N	80	1000	330	100	≤ 100	80	80	10	1	≤ 0.70	4	0.40	SOT-23	7
BSS 79	N	40	1000	330	250	≤ 10	60	40 - 300*	150	10	≤ 1.30	500	50	SOT-23	7
BSS 80	P	40	1000	330	250	≤ 10	50	40 - 300*	150	10	≤ 1.60	500	50	SOT-23	8
BSS 81	N	35	1000	330	250	≤ 10	60	40 - 300*	150	10	≤ 1.30	500	50	SOT-23	7
BSS 82	P	60	1000	330	250	≤ 10	50	40 - 300*	150	10	≤ 1.60	500	50	SOT-23	8
PZT 2222	N	30	600	1500	200	≤ 20	50	100 - 300	150	10	≤ 0.40	150	15	SOT-223	22
PZT 2222A	N	40	600	1500	200	≤ 10	50	100 - 300	150	10	≤ 0.30	150	15	SOT-223	22
PZT 2907	P	40	600	1500	200	≤ 20	50	100 - 300	150	10	≤ 0.40	150	15	SOT-223	21
PZT 2907A	P	60	600	1500	200	≤ 10	50	100 - 300	150	10	≤ 0.40	150	15	SOT-223	21
PZT 3904	N	40	200	1500	300	≤ 50	30	100 - 300	10	1	≤ 0.30	50	5	SOT-223	22
PZT 3906	P	40	200	1500	250	≤ 50	30	100 - 300	10	1	≤ 0.40	50	5	SOT-223	21
SMBT 2222	N	30	600	330	250	≤ 10	50	100 - 300	150	10	≤ 0.40	150	15	SOT-23	7
SMBT 2222A	N	40	600	330	300	≤ 10	60	100 - 300	150	10	≤ 0.30	150	15	SOT-23	7
SMBT 2907	P	40	600	330	200	≤ 20	50	100 - 300	150	10	≤ 0.40	150	15	SOT-23	8
SMBT 2907A	P	60	600	330	200	≤ 10	50	100 - 300	150	10	≤ 0.40	150	15	SOT-23	8

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SMBT 3904	**N**	40	200	330	300	≤ 50	30	100 - 300	10	1	≤ 0.30	50	5	SOT-23	7
SMBT 3906	**P**	40	200	330	250	≤ 50	30	100 - 300	10	1	≤ 0.40	50	5	SOT-23	8
SMBT 4124	**N**	25	200	330	300	≤ 50	20	120 - 360	2	1	≤ 0.30	50	5	SOT-23	7
SMBT 4126	**P**	25	200	330	250	≤ 50	20	120 - 360	2	1	≤ 0.40	50	5	SOT-23	8
SMBT 5086	**P**	50	50	330	40	≤ 50	35	≥ 150	10	5	≤ 0.30	10	1	SOT-23	8
SMBT 5087	**P**	50	50	330	40	≤ 50	35	≥ 250	10	5	≤ 0.30	10	1	SOT-23	8
SMBT 6428	**N**	50	200	330	100	≤ 10	30	≥ 250	10	5	≤ 0.60	100	5	SOT-23	7
SMBT 6429	**N**	45	200	330	100	≤ 10	30	≥ 500	10	5	≤ 0.60	100	5	SOT-23	7
SMBTA 05	**N**	60	500	330	100	≤ 100	60	≥ 100	100	1	≤ 0.25	100	10	SOT-23	7
SMBTA 06	**N**	80	500	330	100	≤ 100	80	≥ 100	100	1	≤ 0.25	100	10	SOT-23	7
SMBTA 20	**N**	40	200	330	125	≤ 100	30	40 - 400	5	10	≤ 0.25	10	1	SOT-23	7
SMBTA 55	**P**	60	500	330	100	≤ 100	60	≥ 100	100	1	≤ 0.25	100	10	SOT-23	8
SMBTA 56	**P**	80	500	330	100	≤ 100	80	≥ 100	100	1	≤ 0.25	100	10	SOT-23	8
SMBTA 70	**P**	40	200	330	125	≤ 100	30	40 - 400	5	10	≤ 0.25	10	1	SOT-23	8
SXT 2222A	**N**	40	600	1000	300	≤ 10	60	100 - 300	150	10	≤ 0.30	150	15	SOT-89	10
SXT 2907A	**P**	60	600	1000	200	≤ 10	60	100 - 300	150	10	≤ 0.40	150	15	SOT-89	23
SXT 3904	**N**	40	200	1000	300	≤ 50	30	100 - 300	10	1	≤ 0.30	50	5	SOT-89	10
SXT 3906	**P**	40	200	1000	250	≤ 50	30	100 - 300	10	1	≤ 0.40	50	5	SOT-89	23

Doppeltransistoren-Array **Double Transistor Arrays**

▼ **BC 847S**	**N**	45	200	250	250	≤ 15	30	290	2	5	≤ 0.60	100	5	SOT-363	68
▼ **BC 847PN**	**N/P**	45	200	250	250	≤ 15	30	290	2	5	≤ 0.60	100	5	SOT-363	67
▼ **BC 857S**	**P**	45	200	250	250	≤ 15	30	290	2	5	≤ 0.60	100	5	SOT-363	69

Doppeltransistoren **Double Transistors**

BCV 61	**N**	30	200	300	250	≤ 15	30	110 - 800*	2	5	≤ 0.60	100	5	SOT-143	24
BCV 62	**P**	30	200	300	250	≤ 15	30	125 - 800*	2	5	≤ 0.65	100	5	SOT-143	25

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