

固态放电网 TPA

Part No.	I_{RM} (μA)	V_{RM} (V)	V_{BR} (V) Min .	I_R (mA)	V_{BO} (V) Min.	I_{BO} (mA) Max.	I_H (mA) Min.	I_{PP} (A) 10/1000 μS	I_{PP} (A) 8/20 μS	C_i (pF) typ.	Package
TPA62	2	56	62	1	82	800	150	50	100	150	DO-15
TPA68	2	61	68	1	90	800	150	50	100	150	DO-15
TPA100	2	90	100	1	133	800	150	50	100	100	DO-15
TPA120	2	108	120	1	160	800	150	50	100	100	DO-15
TPA130	2	117	130	1	173	800	150	50	100	100	DO-15
TPA180	2	162	180	1	240	800	150	50	100	100	DO-15
TPA200	2	180	200	1	267	800	150	50	100	100	DO-15
TPA220	2	198	220	1	293	800	150	50	100	100	DO-15
TPA240	2	216	240	1	320	800	150	50	100	100	DO-15
TPA270	2	243	270	1	360	800	150	50	100	100	DO-15
TPB62	2	56	62	50	82	800	150	100	150	300	DO-27S
TPB68	2	61	68	50	90	800	150	100	150	300	DO-27S
TPB100	2	90	100	50	133	800	150	100	150	200	DO-27S
TPB120	2	108	120	50	160	800	150	100	150	200	DO-27S
TPB130	2	117	130	50	173	800	150	100	150	200	DO-27S
TPB180	2	162	180	50	240	800	150	100	150	200	DO-27S
TPB200	2	180	200	50	267	800	150	100	150	200	DO-27S
TPB220	2	198	220	50	293	800	150	100	150	200	DO-27S
TPB240	2	216	240	50	320	800	150	100	150	200	DO-27S
TPB270	2	243	270	50	360	800	150	100	150	200	DO-27S

Galaxy
Microelectronics

双极型晶体管
Transistors

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小信号三极管 Small Signal Transistors

Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (A)	h_{FE} min	h_{FE} max	$V_{CE(sat)}$ (V)	I_B (mA)	f_T (MHz) min.	P_D (W) max.	Package
2SC5006T	NPN	12	0.1	80	160	—	—	3000	0.125	SOT-523
2SC4226	NPN	12	0.1	40	250	-	-	3000	0.15	SOT-323
2SC3356	NPN	12	0.1	50	300	0.5	4	7000(typ)	0.2	SOT-23
2SC3356-3L	NPN	12	0.1	50	300	0.5	4	7000(typ)	0.2	SOT-23-3L
2SC3356W	NPN	12	0.1	50	300	-	-	7000(typ)	0.2	SOT-323
2SC3356T	NPN	12	0.1	50	300	0.5	4	7000(typ)	0.2	SOT-523
BLG520	NPN	12	0.1	50	200	0.5	4	7500(typ)	0.3	SOT-143
2SC3357	NPN	12	0.1	50	300	0.5	4	6500(typ)	1.2	SOT-89
MMBT2369	NPN	15	0.2	100	300	0.25	1	-	0.3	SOT-23
S9018	NPN	18	0.05	70	190	0.5	1	600	0.2	SOT-23
S9016	NPN	20	0.025	28	198	0.3	1	400	0.2	SOT-23
2SC3837K	NPN	20	0.05	82	270	0.5	4	600	0.2	SOT-23
2SC3837M	NPN	20	0.05	82	270	0.5	4	600	0.265	SOT-723
2SD2114	NPN	20	0.5	300	2700	0.4	20	350	0.2	SOT-23
BCX68	NPN	20	1	85	375	0.5	100	100(typ)	1	SOT-89
BCX68-10	NPN	20	1	85	160	0.5	100	100(typ)	1	SOT-89
BCX68-16	NPN	20	1	100	250	0.5	100	100(typ)	1	SOT-89
BCX68-25	NPN	20	1	160	375	0.5	100	100(typ)	1	SOT-89
2SC4115	NPN	20	3	120	560	0.5	100	200	0.5	SOT-89
2SD2150	NPN	20	3	120	560	0.5	100	290(typ)	0.5	SOT-89
2SD965	NPN	20	5	230	1000	1	100	150(typ)	0.75	SOT-89
BCP68	NPN	20	1	85	375	0.5	100	100(typ)	1.5	SOT-223
BCP68B	NPN	20	2	85	375	0.6	200	40	3.1	SOT-223
MMBTH10	NPN	25	0.05	60	-	0.5	0.4	650	0.35	SOT-23
S9013L	NPN	25	0.5	120	400	0.6	50	150	0.25	DFN1006-3
BC818-16W	NPN	25	0.5	100	250	0.7	50	170(typ)	0.25	SOT-323
BC818-25W	NPN	25	0.5	160	400	0.7	50	170(typ)	0.25	SOT-323
BC818-40W	NPN	25	0.5	250	600	0.7	50	170(typ)	0.25	SOT-323
S8050	NPN	25	0.5	120	350	0.6	50	150	0.3	SOT-23
S9013	NPN	25	0.5	120	400	0.6	50	150	0.3	SOT-23
S8050W	NPN	25	0.5	120	350	0.6	50	150	0.3	SOT-323
S8050	NPN	25	0.5	120	350	0.6	50	150	0.5	SOT-89
M8050	NPN	25	0.8	80	300	0.5	80	150	0.2	SOT-23
2SD874	NPN	25	1	85	340	0.4	50	200(typ)	1	SOT-89
SS8050W	NPN	25	1.5	120	400	0.5	80	100	0.2	SOT-323
GSS8050	NPN	25	1.5	120	400	0.5	80	100	0.3	SOT-23
SS8050	NPN	25	1.5	120	400	0.5	80	100	0.3	SOT-23
PXT8050	NPN	25	1.5	85	400	0.5	80	100	0.5	SOT-89
SS8050	NPN	25	1.5	120	400	0.5	80	100	0.5	SOT-89
2SC4215	NPN	30	0.02	40	200	-	-	260	0.15	SOT-323
BC848AW	NPN	30	0.1	110	220	0.25	0.5	100	0.2	SOT-323
BC848BW	NPN	30	0.1	200	450	0.25	0.5	100	0.2	SOT-323
BC848CW	NPN	30	0.1	420	800	0.25	0.5	100	0.2	SOT-323
BCV61	NPN	30	0.1	110	800	0.6	5	100	0.25	SOT-143
BCV61A	NPN	30	0.1	110	220	0.6	5	100	0.25	SOT-143

小信号三极管 Small Signal Transistors

Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (A)	h_{FE} min	h_{FE} max	$V_{CE(sat)}$ (V)	I_B (mA)	f_T (MHz) min.	P_D (W) max.	Package
BCV61B	NPN	30	0.1	200	450	0.6	5	100	0.25	SOT-143
BCV61C	NPN	30	0.1	420	800	0.6	5	100	0.25	SOT-143
BC848A	NPN	30	0.1	110	220	0.6	5	100	0.25	SOT-23
BC848B	NPN	30	0.1	200	450	0.6	5	100	0.25	SOT-23
BC848C	NPN	30	0.1	420	800	0.6	5	100	0.25	SOT-23
BC848AT	NPN	30	0.1	110	220	0.6	5	100	0.265	SOT-523
BC848BT	NPN	30	0.1	200	450	0.6	5	100	0.265	SOT-523
BC848CT	NPN	30	0.1	420	800	0.6	5	100	0.265	SOT-523
BC848AM	NPN	30	0.1	110	220	0.6	5	100	0.265	SOT-723
BC848BM	NPN	30	0.1	200	450	0.6	5	100	0.265	SOT-723
BC848CM	NPN	30	0.1	420	800	0.6	5	100	0.265	SOT-723
MMBTA13	NPN	30	0.3	10000	-	1.5	0.1	125	0.3	SOT-23
MMBTA14	NPN	30	0.3	20000	-	1.5	0.1	125	0.3	SOT-23
MMBTA13-3L	NPN	30	0.3	10000	-	1.5	0.1	125	0.3	SOT-23-3L
KTC4076	NPN	30	0.5	70	240	0.25	10	-	0.1	SOT-323
2SC2859	NPN	30	0.5	70	400	0.25	10	300(typ)	0.15	SOT-23
BCV27	NPN	30	0.5	20000	-	1	0.1	170(typ)	0.35	SOT-23
MMBT2222	NPN	30	0.6	100	300	1.6	50	250	0.3	SOT-23
MMBT489	NPN	30	1	100	300	0.3	100	100	0.31	SOT-23
FMMT449	NPN	30	1	100	300	1	200	150	0.5	SOT-23
D882	NPN	30	3	60	400	0.5	200	90(tpy)	0.35	SOT-23
D882H	NPN	30	3	60	400	0.5	200	90(typ)	0.5	SOT-89
D882	NPN	30	3	60	400	0.5	200	90(typ)	1	TO-251/252
D882R	NPN	30	3	60	400				3.1	SOT-223
2SC2411	NPN	32	0.5	82	390	0.4	50	250(typ)	0.2	SOT-23
2SC4097	NPN	32	0.5	82	390	0.4	50	250(typ)	0.25	SOT-323
2SD1781	NPN	32	0.8	120	390	0.4	50	150(typ)	0.2	SOT-23
2SD1664	NPN	32	1	82	390	0.4	50	150(typ)	0.5	SOT-89
2SD1766	NPN	32	2	82	390	0.8	200	100(typ)	0.5	SOT-89
2SD1758	NPN	32	2	82	390	0.8	200	100(typ)	2	TO-252
PXT3904	NPN	40	0.1	100	300	0.3	5	300	0.45	SOT-89
MMBT3904L	NPN	40	0.2	100	300	0.3	5	300	0.15	DFN1006-3
MMBT3904T	NPN	40	0.2	100	300	0.3	5	300	0.15	SOT-523
MMST3904	NPN	40	0.2	100	300	0.3	5	300	0.2	SOT-323
MMBT3904	NPN	40	0.2	100	300	0.3	5	300	0.25	SOT-23
MMBT3904-3L	NPN	40	0.2	100	300	0.3	5	300	0.25	SOT-23-3L
MMBT3904M	NPN	40	0.2	100	300	0.3	5	300	0.25	SOT-723
MMBT3904R	NPN	40	0.2	100	300	0.3	5	300	1.15	SOT-223
MMBT2222AT	NPN	40	0.6	100	300	1	50	300	0.15	SOT-523
MMBT4401T	NPN	40	0.6	100	300	0.75	50	250	0.15	SOT-523
MMST2222A	NPN	40	0.6	100	300	1	50	300	0.2	SOT-323
MMDT2222A	NPN	40	0.6	100	300	1	50	300	0.2	SOT-363
MMBT2222AM	NPN	40	0.6	100	300	1	50	300	0.15	SOT-723
MMBT2222A	NPN	40	0.6	100	300	1	50	300	0.3	SOT-23
DVRN6056CU	NPN	40	0.6	100	300	0.75	50	250	0.3	SOT-23-6L

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MMBT4401	NPN	40	0.6	100	300	0.4	15	250	0.35	SOT-23
PXT4401	NPN	40	0.6	100	300	0.75	50	250	0.5	SOT-89
PZT2222A	NPN	40	0.6	100	300	1	50	300	1.15	SOT-223
PXT2222A	NPN	40	0.6	100	300	1	50	300	1.25	SOT-89
TIP31	NPN	40	3	10	75	1.2	375	3	2	TO-220AB
TIP31	NPN	40	3	10	75	1.2	375	3	2	TO-263
GT4240	NPN	40	2	300	-	0.37	300	100	0.3	SOT-23
S9014	NPN	45	0.1	200	1000	0.3	5	150(typ)	0.2	SOT-23
BC847AW	NPN	45	0.1	110	220	0.5	5	100	0.2	SOT-323
BC847BW	NPN	45	0.1	200	450	0.5	5	100	0.2	SOT-323
BC847CW	NPN	45	0.1	420	800	0.5	5	100	0.2	SOT-323
BC847AL	NPN	45	0.1	110	220	0.4	5	100	0.25	DFN1006-3
BC847BL	NPN	45	0.1	200	450	0.4	5	100	0.25	DFN1006-3
BC847CL	NPN	45	0.1	420	800	0.4	5	100	0.25	DFN1006-3
BC847A	NPN	45	0.1	110	220	0.25	0.5	100	0.25	SOT-23
BC847B	NPN	45	0.1	200	450	0.25	0.5	100	0.25	SOT-23
BC847C	NPN	45	0.1	420	800	0.25	0.5	100	0.25	SOT-23
BC847AT	NPN	45	0.1	110	220	0.6	5	100	0.15	SOT-523
BC847BT	NPN	45	0.1	200	450	0.6	5	100	0.15	SOT-523
BC847CT	NPN	45	0.1	420	800	0.6	5	100	0.15	SOT-523
BC847AM	NPN	45	0.1	110	220	0.6	5	100	0.347	SOT-723
BC847BM	NPN	45	0.1	200	450	0.6	5	100	0.347	SOT-723
BC847CM	NPN	45	0.1	420	800	0.6	5	100	0.347	SOT-723
BCX70G	NPN	45	0.1	120	220	0.55	1.25	250(typ)	0.33	SOT-23
BCX70H	NPN	45	0.1	180	310	0.55	1.25	250(typ)	0.33	SOT-23
BCX70J	NPN	45	0.1	250	460	0.55	1.25	250(typ)	0.33	SOT-23
BCX70K	NPN	45	0.1	380	630	0.55	1.25	250(typ)	0.33	SOT-23
BC817T-16	NPN	45	0.5	100	250	0.7	50	100	0.15	SOT-523
BC817T-25	NPN	45	0.5	160	400	0.7	50	100	0.15	SOT-523
BC817T-40	NPN	45	0.5	250	600	0.7	50	100	0.15	SOT-523
BC817-16W	NPN	45	0.5	100	250	0.7	50	170(typ)	0.25	SOT-323
BC817-25W	NPN	45	0.5	160	400	0.7	50	170(typ)	0.25	SOT-323
BC817-40W	NPN	45	0.5	250	600	0.7	50	170(typ)	0.25	SOT-323
BC817-16	NPN	45	0.5	100	250	0.7	50	170(typ)	0.3	SOT-23
BC817-25	NPN	45	0.5	160	400	0.7	50	170(typ)	0.3	SOT-23
BC817-40	NPN	45	0.5	250	600	0.7	50	170(typ)	0.3	SOT-23
BC817-16-3L	NPN	45	0.5	100	250	0.7	50	170(typ)	0.3	SOT-23-3L
BC817-25-3L	NPN	45	0.5	160	400	0.7	50	170(typ)	0.3	SOT-23-3L
BC817-40-3L	NPN	45	0.5	250	600	0.7	50	170(typ)	0.3	SOT-23-3L
BCX54	NPN	45	1	40	250	0.5	50	100	0.5	SOT-89
BCX54-10	NPN	45	1	63	160	0.5	50	100	0.5	SOT-89
BCX54-16	NPN	45	1	100	250	0.5	50	100	0.5	SOT-89
2SC4272	NPN	45	1	60	390	0.6	50	180	1.3	SOT-89
BCP54	NPN	45	1	40	250	0.5	50	100	1.5	SOT-223
BCW66F	NPN	45	0.8	100	250	0.7	50	170	0.33	SOT-23

小信号三极管 Small Signal Transistors

Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (A)	h_{FE} min	h_{FE} max	$V_{CE(sat)}$ (V)	I_B (mA)	f_T (MHz) min.	P_D (W) max.	Package
BCW66G	NPN	45	0.8	160	400	0.7	50	170	0.33	SOT-23
BCW66H	NPN	45	0.8	250	630	0.7	50	170	0.33	SOT-23
2SC4617	NPN	50	0.1	120	560	0.4	5	180(typ)	0.125	SOT-523
2SC1623	NPN	50	0.1	90	600	0.3	10	250(typ)	0.2	SOT-23
2PD601AQW	NPN	50	0.1	160	260	0.5	10	100	0.2	SOT-323
2PD601ARW	NPN	50	0.1	210	340	0.5	10	120	0.2	SOT-323
2PD601ASW	NPN	50	0.1	290	460	0.5	10	140	0.2	SOT-323
2SC1623W	NPN	50	0.1	90	600	0.3	10	250(typ)	0.2	SOT-323
KTC407S	NPN	50	0.15	70	700	0.25	10	80	0.1	SOT-23
KTC407ST	NPN	50	0.15	70	700	0.25	10	80	0.1	SOT-523
KTC407SW	NPN	50	0.15	70	700	0.25	10	80	0.1	SOT-323
2SC4738	NPN	50	0.15	120	700	0.25	10	80	0.1	SOT-523
2SC5658	NPN	50	0.15	120	560	0.4	5	180(typ)	0.1	SOT-723
2SC2712	NPN	50	0.15	70	700	0.25	10	80	0.15	SOT-23
KTC3875	NPN	50	0.15	70	700	0.25	10	80	0.15	SOT-23
2SC2412	NPN	50	0.15	120	560	0.4	5	180(typ)	0.2	SOT-23
2SC945	NPN	50	0.1	130	400	0.3	10	150	0.2	SOT-23
2SC5343	NPN	50	0.15	70	700	0.25	10	80	0.2	SOT-23
2SC4081	NPN	50	0.15	120	560	0.4	5	180(typ)	0.2	SOT-323
2SC1815	NPN	50	0.15	130	400	0.25	10	80	0.4	SOT-23
2SC3052	NPN	50	0.2	150	800	0.3	10	200	0.125	SOT-23
2SC4155A	NPN	50	0.2	120	560	0.3	10	200(typ)	0.2	SOT-323
2SD602A	NPN	50	0.5	85	340	0.6	30	200(typ)	0.2	SOT-23
2SD874A	NPN	50	1	85	340	0.4	50	200(typ)	1	SOT-89
GT4350	NPN	50	2	300	-	0.37	300	100	0.3	SOT-23
2SC2873	NPN	50	2	70	240	0.5	50	120(typ)	0.5	SOT-89
2SC4672	NPN	50	2	82	400	0.35	50	210(typ)	0.5	SOT-89
KTC4379	NPN	50	2	70	240	0.5	50	120(typ)	0.55	SOT-89
FMMT619	NPN	50	2	200	-	0.22	50	100	0.625	SOT-23
FMMT619-3L	NPN	50	2	200	-	0.22	50	100	0.625	SOT-23-3L
2SC4672	NPN	50	2	82	400	0.35	50	210(typ)	1.4	TO-252
2SD1624	NPN	50	3	100	560	0.7	100	150(typ)	0.5	SOT-89
GT4350E	NPN	50	3	300	-	0.37	300	100	0.55	SOT-89
2SD1802	NPN	50	3	100	560	0.5	100	150(typ)	1	TO-251/252
2SD1760	NPN	50	3	82	390	1	200	90(typ)	1.5	TO-252
BL2003	NPN	50	0.5	1000	-	1.6	0.5	-	-	SOP-16
BCV47	NPN	60	0.5	2000	-	1	0.1	170(typ)	0.35	SOT-23
MMBTA05	NPN	60	0.5	100	-	0.25	10	100	0.35	SOT-23
MMBTA05-3L	NPN	60	0.5	100	-	0.25	10	100	0.35	SOT-23-3L
BCW65A	NPN	60	0.8	100	250	0.7	50	170	0.33	SOT-23
BCW65B	NPN	60	0.8	160	400	0.7	50	170	0.33	SOT-23
BCW65C	NPN	60	0.8	250	630	0.7	50	170	0.33	SOT-23
MMBT1616A	NPN	60	1	135	400	0.3	50	100	0.35	SOT-23
FMMT491W	NPN	60	1	100	300	0.25	50	150	0.35	SOT-323
FMMT491	NPN	60	1	100	300	0.5	100	150	0.5	SOT-23

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BCX55	NPN	60	1	40	250	0.5	100	100	0.5	SOT-89
BCX55-10	NPN	60	1	63	160	0.5	100	100	0.5	SOT-89
BCX55-16	NPN	60	1	100	250	0.5	100	100	0.5	SOT-89
KTC4378	NPN	60	1	100	320	0.5	50	150(typ)	0.5	SOT-89
2SD1616A	NPN	60	1	135	600	0.3	50	100	0.5	SOT-89
BSR41	NPN	60	1	100	300	0.5	50	100	1.35	SOT-89
BCP55	NPN	60	1	40	250	0.5	50	100	1.5	SOT-223
BCP55-16	NPN	60	1	100	250	0.5	50	100	1.5	SOT-223
2SD2391	NPN	60	2	120	270	0.35	5	210(typ)	2	SOT-89
2SD1899	NPN	60	3	100	400	0.25	150	120(typ)	0.5	SOT-89
2SD1899	NPN	60	3	100	400	0.25	150	120(typ)	1	TO-252
2SD880	NPN	60	3	60	300	1	300	3(typ)	1.5	TO-220AB
2SD2061	NPN	60	3	100	320	1	200	8(typ)	2	ITO-220AB
KTC2026	NPN	60	3	100	300	1	200	30(typ)	2	ITO-220AB
FZT651	NPN	60	3	40	-	0.6	300	140	2	SOT-223
TIP31A	NPN	60	3	10	75	1.2	375	3	2	TO-220AB
TIP31A	NPN	60	3	10	75	1.2	375	3	2	TO-263
2SD880B	NPN	60	3	60	300	1	300	3(typ)	2	TO-263
FZT851	NPN	60	6	300	600	0.375	300	130(typ)	1.6	SOT-223
MJD3055	NPN	60	10	20	100	8	3300	2	20	TO-251/252
MJE3055	NPN	60	10	20	100	8	3300	2	75	TO-220AB
FZT851D	NPN	60	6	300	600	0.375	300	130(typ)	2.5	TO-252
BC846AW	NPN	65	0.1	110	220	0.5	5	100	0.2	SOT-323
BC846BW	NPN	65	0.1	200	450	0.5	5	100	0.2	SOT-323
BC846A	NPN	65	0.1	110	220	0.25	0.5	100	0.25	SOT-23
BC846B	NPN	65	0.1	200	450	0.25	0.5	100	0.25	SOT-23
BC846AT	NPN	65	0.1	110	220	0.6	5	100	0.265	SOT-523
BC846BT	NPN	65	0.1	200	450	0.6	5	100	0.265	SOT-523
BC846AM	NPN	65	0.1	110	220	0.6	5	100	0.265	SOT-723
BC846BM	NPN	65	0.1	200	450	0.6	5	100	0.265	SOT-723
D882H	NPN	70	3	60	400	0.5	200	50	0.5	SOT-89
2SC4374	NPN	80	0.4	70	240	0.4	20	120(typ)	0.5	SOT-89
2SD1782	NPN	80	0.5	120	390	0.5	50	120(typ)	0.2	SOT-23
MMBTA28	NPN	80	0.5	10000	-	1.5	0.1	125	0.2	SOT-23
MMBTA28-3L	NPN	80	0.5	10000	-	1.5	0.1	125	0.2	SOT-23-3L
MMBTA06	NPN	80	0.5	100	-	0.25	10	100	0.35	SOT-23
MMBTA06-3L	NPN	80	0.5	100	-	0.25	10	100	0.35	SOT-23-3L
KTX811T-6L	NPN	80	0.5	100	250	0.25	10	100	0.9	SOT-23-6L
BCX56-10-3L	NPN	80	1	63	160	0.5	50	100	0.5	SOT-23-3L
BCX56-16-3L	NPN	80	1	100	250	0.5	50	100	0.5	SOT-23-3L
BCX56-3L	NPN	80	1	63	250	0.5	50	100	0.5	SOT-23-3L
2SD1898	NPN	80	1	82	390	0.4	20	100(typ)	0.5	SOT-89
BCX56	NPN	80	1	40	250	0.5	50	100	0.5	SOT-89
BCX56-10	NPN	80	1	63	160	0.5	50	100	0.5	SOT-89
BCX56-16	NPN	80	1	100	250	0.5	50	100	0.5	SOT-89

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Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (A)	h_{FE} min	h_{FE} max	$V_{CE(sat)}$ (V)	I_B (mA)	f_T (MHz) min.	P_D (W) max.	Package
2SD1898I	NPN	80	1	82	390	0.4	20	100(typ)	1	TO-251
2SD1898D	NPN	80	1	82	390	0.4	20	100(typ)	1	TO-252
2SD1898R	NPN	80	1	82	390	0.4	20	100(typ)	1.1	SOT-223
BSR43	NPN	80	1	100	300	0.5	50	100	1.35	SOT-89
BCP56	NPN	80	1	40	250	0.5	50	100	1.5	SOT-223
BCP56-16	NPN	80	1	100	250	0.5	50	100	1.5	SOT-223
2SCR544R-3L	NPN	80	2.5	120	390	0.3	50	280(typ)	0.5	SOT-23-3L
TIP31B	NPN	80	3	10	75	1.2	375	3	2	TO-220AB
TIP31B	NPN	80	3	10	75	1.2	375	3	2	TO-263
MJD44H11	NPN	80	8	60	-	1	400	50(typ)	20	TO-252
MJB44H11	NPN	80	10	60	-	1	400	50(typ)	50	TO-263
FMMT493E	NPN	100	1	100	300	0.6	100	150	0.5	SOT-89
FCX493	NPN	100	1	100	300	0.6	100	150	1	SOT-89
2SC554	NPN	100	2	82	270	0.3	50	30	0.5	SOT-89
PZT112	NPN	100	2	1000	-	2.5	8	-	2	SOT-223
2SD1815	NPN	100	3	70	400	0.4	150	180(typ)	1	TO-251/252
MJD31C	NPN	100	3	15	75	1.2	375	3	1.25	TO-251/252
TIP31C	NPN	100	3	10	75	1.2	375	3	2	TO-220AB
TIP31C	NPN	100	3	10	75	1.2	375	3	2	TO-263
TIP122	NPN	100	5	1000	-	4	20	—	2	TO-220AB
MJD41C	NPN	100	6	15	75	1.5	600	3	1.25	TO-251/252
TIP41C	NPN	100	6	15	75	1.5	600	3	2	TO-220AB
MJD122	NPN	100	8	1000	12000	4	80	-	20	TO-251/252
GT43100E	NPN	100	3	120	360	0.2	150	110(typ)	0.55	SOT-89
GT43100R	NPN	100	3	120	360	0.2	150	110(typ)	1.25	SOT-223
GT43100-3L	NPN	100	3	120	360	0.2	150	110(typ)	0.49	SOT-23-3L
2SC2881	NPN	120	0.8	80	240	1	50	120(typ)	0.5	SOT-89
2SC4373	NPN	120	0.8	80	240	1	50	120(typ)	0.5	SOT-89
2SC4102	NPN	120	0.05	120	560	0.5	1	140	0.2	SOT-323
MMBT5550	NPN	140	0.6	60	250	0.25	5	100	0.3	SOT-23
FMMT495	NPN	150	1	100	300	0.3	50	100	0.5	SOT-23
FCX495	NPN	150	1	100	300	0.3	50	100	1	SOT-89
2SC1654	NPN	160	0.05	90	400	0.3	5	120(typ)	0.15	SOT-23
MMST5551	NPN	160	0.6	80	250	0.2	5	80	0.2	SOT-323
MMBT5551	NPN	160	0.6	100	300	0.2	5	100	0.35	SOT-23
MMBT5551-3L	NPN	160	0.6	100	300	0.2	5	100	0.35	SOT-23-3L
CXT5551	NPN	160	0.6	100	300	0.2	5	100	0.625	SOT-89
PZT5551	NPN	160	0.6	100	300	0.2	5	100	1.15	SOT-223
2SC2383	NPN	160	1	60	320	1.5	50	20	0.9	SOT-23
2SC2383	NPN	160	1	60	320	1.5	50	20	1	SOT-89
2SC2983	NPN	160	1.5	70	240	1.5	50	100(typ)	1	TO-251/252
2SD669A	NPN	160	1.5	60	200	1	50	140(typ)	1	TO-251/252
MMBTA43	NPN	200	0.5	50	200	0.4	2	50	0.35	SOT-23
BU406	NPN	200	7	50	100	1	500	10	60	TO-220AB
BU406B	NPN	200	7	55	75	1	500	10	60	TO-263

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Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (A)	h_{FE} min	h_{FE} max	$V_{CE(sat)}$ (V)	I_B (mA)	f_T (MHz) min.	P_D (W) max.	Package
2SC4793	NPN	230	1	100	320	1.5	50	100(typ)	2	ITO-220AB
MMSTA42	NPN	300	0.2	40	-	0.5	2	50	0.2	SOT-323
MMBTA42	NPN	300	0.5	40	-	0.5	2	50	0.3	SOT-23
A42	NPN	300	0.5	100	300	0.2	2	50	0.5	SOT-89
MJDA42	NPN	300	0.5	100	300	0.2	2	50	1	TO-252
PZTA42	NPN	300	0.5	40	-	0.5	2	50	1.5	SOT-223
3DD13001	NPN	400	0.2	10	40	0.5	10	8	0.35	SOT-23
2SC4548R	NPN	400	0.2	60	200	0.6	5	70(typ)	1	SOT-223
2SC4003I	NPN	400	0.2	60	200	0.6	5	70(typ)	1	TO-251
2SC4003D	NPN	400	0.2	60	200	0.6	5	70(typ)	1	TO-252
FMMT458	NPN	400	0.225	100	300	0.5	6	50	0.5	SOT-23
MMBTA44	NPN	400	0.2	100	200	0.75	5	50	0.35	SOT-23
A44	NPN	400	0.3	50	200	0.75	5	50	0.5	SOT-89
PZTA44	NPN	400	0.3	50	200	0.75	5	50	1.35	SOT-223
3DD13002	NPN	400	1	9	40	0.8	40	5	0.3	SOT-23
3DD13002	NPN	400	1	9	40	0.8	40	5	0.5	SOT-89S
3DD13002	NPN	400	1	9	40	0.8	40	5	1.25	SOT-89
3DD13002	NPN	400	1	9	40	0.8	40	5	1.25	TO-251/252
3DD13005	NPN	400	4	15	35	1	500	5	1	TO-220AB
3DD13005	NPN	400	4	15	35	1	500	5	1	TO-251/252
3DD13009	NPN	400	12	20	30	1.5	1600	5	100	TO-220AB
3DD13003A	NPN	400	1.5	15	30	1	250	5	3.1	TO-220AB
BL1545	NPN	420	0.5	100	300	0.3	6	-	0.35	SOT-23
MMBT560	NPN	450	0.15	100	200	0.75	5	50	0.35	SOT-23
2SC6480	NPN	480	0.3	15	30	0.5	20	8	0.35	SOT-23
BC848ADW	NPN+PNP	30	0.1	110	220	0.6	5	100	0.3	SOT-363
BC848BDW	NPN+PNP	30	0.1	200	450	0.6	5	100	0.3	SOT-363
BC848CDW	NPN+PNP	30	0.1	420	800	0.6	5	100	0.3	SOT-363
MMDT3946	NPN+PNP	40	0.2	100	300	0.3/0.4	5	300/250	0.2	SOT-363
MMDT4413	NPN+PNP	40	0.6	100	300	0.75	50	250/200	0.2	SOT-363
MMDT2227	NPN+PNP	40/60	0.6	100	300	1/1.6	50	300/200	0.2	SOT-363
NMB2227A-6L	NPN+PNP	40/60	0.6	100	300	1/1.6	50	300/200	0.3	SOT-23-6L
BC847BV	NPN+PNP	45	0.1	200	450	0.6	5	100	0.15	SOT-563
BC857AV	NPN+PNP	45	0.1	125	250	0.4	5	100	0.15	SOT-563
BC857BV	NPN+PNP	45	0.1	220	475	0.4	5	100	0.15	SOT-563
BC857CV	NPN+PNP	45	0.1	420	800	0.4	5	100	0.15	SOT-563
BC847PN	NPN+PNP	45	0.1	200	450	0.6	5	100	0.2	SOT-363
BC847ADW	NPN+PNP	45	0.1	110	220	0.6	5	100	0.3	SOT-363
BC847BDW	NPN+PNP	45	0.1	200	450	0.6	5	100	0.3	SOT-363
BC847CDW	NPN+PNP	45	0.1	420	800	0.6	5	100	0.3	SOT-363
BC857BS	NPN+PNP	45	0.2	200	475	0.65	5	200	0.3	SOT-363
UMZ1N	NPN+PNP	50	0.15	120	560	0.4/0.5	5	180/140(typ)	0.15	SOT-363
UMZ2N	NPN+PNP	50	0.15	120	560	0.5/0.4	5	140/180(typ)	0.15	SOT-363
BC846BPN	NPN+PNP	65	0.1	200	450	0.3	5	100	0.2	SOT-363
BC846ADW	NPN+PNP	65	0.1	110	220	0.6	5	100	0.3	SOT-363

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Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (A)	h_{FE} min	h_{FE} max	$V_{CE(sat)}$ (V)	I_B (mA)	f_T (MHz) min.	P_D (W) max.	Package
BC846BDW	NPN+PNP	65	0.1	200	450	0.6	5	100	0.3	SOT-363
MMDT5451	NPN+PNP	160/150	0.2	100/60	300/240	0.2/0.5	5	100	0.2	SOT-363
BFU520Y	NPNx2	12	0.03	60	200	-	-	10000(Typ)	0.45	SOT-363
MMDT3904V	NPNx2	40	0.2	100	300	0.3	5	300	0.15	SOT-563
MMDT3904	NPNx2	40	0.2	100	300	0.3	5	300	0.2	SOT-363
MMDT4401	NPNx2	40	0.6	100	300	0.75	50	250	0.2	SOT-363
BC847BS	NPNx2	45	0.2	200	450	0.65	5	200	0.3	SOT-363
BC847S	NPNx2	45	0.2	110	630	0.65	5	200	0.3	SOT-363
BC817DS	NPNx2	45	0.5	160	400	0.7	50	100	0.2	SOT-363
BC817DS-40	NPNx2	45	0.5	250	600	0.7	50	100	0.2	SOT-363
BCM61B	NPNx2	45	0.1	200	450	0.4	5	100	0.39	SOT-143
UMX1N	NPNx2	50	0.15	110	630	0.4	5	180	0.15	SOT-363
BC846AS	NPNx2	65	0.1	110	220	0.25	0.5	100	0.25	SOT-363
BC846BS	NPNx2	65	0.1	200	450	0.25	0.5	100	0.25	SOT-363
MMDT5551	NPNx2	160	0.6	100	300	0.2	5	100	0.2	SOT-363
2SA2018	PNP	12	0.5	270	680	0.25	5	260(Typ.)	0.15	SOT-523
2SA2119K	PNP	12	0.5	270	680	0.25	5	260(typ)	0.2	SOT-23
2SB1386	PNP	20	5	82	390	1	100	120(typ)	0.5	SOT-89
2SB1412	PNP	20	5	82	390	1	100	120(Typ.)	1	TO-251/252
S8550	PNP	25	0.5	120	350	0.6	50	150	0.3	SOT-23
S9012	PNP	25	0.5	120	400	0.6	50	150	0.3	SOT-23
S8550	PNP	25	0.5	120	350	0.6	50	150	0.75	SOT-89
2SB624	PNP	25	0.7	110	400	0.6	70	160(typ)	0.2	SOT-23
M8550	PNP	25	0.8	85	300	0.5	80	150	0.2	SOT-23
SS8550W	PNP	25	1.5	120	400	0.5	80	100	0.2	SOT-323
SS8550	PNP	25	1.5	120	400	0.5	80	100	0.3	SOT-23
PXT8550	PNP	25	1.5	85	400	0.5	80	100	0.5	SOT-89
SS8550	PNP	25	1.5	120	400	0.5	80	100	0.5	SOT-89
BC858AW	PNP	30	0.1	125	250	0.65	5	100	0.2	SOT-323
BC858BW	PNP	30	0.1	220	475	0.65	5	100	0.2	SOT-323
BC858CW	PNP	30	0.1	420	800	0.65	5	100	0.2	SOT-323
BC858A	PNP	30	0.1	125	250	0.65	0.5	100	0.25	SOT-23
BC858B	PNP	30	0.1	220	475	0.65	0.5	100	0.25	SOT-23
BC858C	PNP	30	0.1	420	800	0.65	0.5	100	0.25	SOT-23
BC858AT	PNP	30	0.1	125	250	0.65	5	100	0.265	SOT-523
BC858BT	PNP	30	0.1	220	475	0.65	5	100	0.265	SOT-523
BC858CT	PNP	30	0.1	420	800	0.65	5	100	0.265	SOT-523
BC858AM	PNP	30	0.1	125	250	0.65	5	100	0.265	SOT-723
BC858BM	PNP	30	0.1	220	475	0.65	5	100	0.265	SOT-723
BC858CM	PNP	30	0.1	420	800	0.65	5	100	0.265	SOT-723
KTA2015	PNP	30	0.5	70	240	0.25	10	200(typ)	0.1	SOT-323
KTA1505	PNP	30	0.5	70	400	0.25	10	200(typ)	0.15	SOT-23
MMBT463	PNP	30	0.5	10000	-	1.5	0.1	125	0.3	SOT-23
MMBTA64	PNP	30	0.5	20000	-	1.5	0.1	125	0.3	SOT-23
KTA1298W	PNP	30	0.8	100	320	0.4	20	120(typ)	0.15	SOT-323

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Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (A)	h_{FE} min	h_{FE} max	$V_{CE(sat)}$ (V)	I_B (mA)	f_T (MHz) min.	P_D (W) max.	Package
KTA1298	PNP	30	0.8	100	320	0.4	20	120(typ)	0.2	SOT-23
2SB1694	PNP	30	1	240	680	0.38	25	320(typ)	0.2	SOT-323
MMBT589	PNP	30	1	100	300	0.65	200	100	0.31	SOT-23
B772-3L	PNP	30	3	60	400	0.5	200	80(typ)	0.5	SOT-23-3L
B772	PNP	30	3	60	400	0.5	200	80(typ)	0.5	SOT-89
B772	PNP	30	3	60	400	0.5	200	80(typ)	1.25	TO-251
B772	PNP	30	3	60	400	0.5	200	80(typ)	1.25	TO-252
2SA1036	PNP	32	0.5	82	390	0.4	10	200(typ)	0.2	SOT-23
2SA1577	PNP	32	0.5	82	390	0.6	30	200(typ)	0.2	SOT-323
BCW67A	PNP	32	0.8	100	250	0.7	50	200(typ)	0.33	SOT-23
BCW67B	PNP	32	0.8	160	400	0.7	50	200(typ)	0.33	SOT-23
BCW67C	PNP	32	0.8	250	630	0.7	50	200(typ)	0.33	SOT-23
2SB1132	PNP	32	1	82	390	0.5	50	150(typ)	0.5	SOT-89
2SB1188	PNP	32	2	82	390	0.8	200	100(typ)	0.5	SOT-89
2SB1182	PNP	32	2	120	390	0.8	200	100(typ)	1.5	TO-252
MMBT3906L	PNP	40	0.1	100	300	0.3	5	250	0.15	DFN1006-3
MMBT3906-3L	PNP	40	0.1	100	300	0.3	5	250	0.25	SOT-23-3L
MMBT3906M	PNP	40	0.1	100	300	0.3	5	250	0.25	SOT-723
PXT3906	PNP	40	0.1	100	300	0.4	5	250	0.45	SOT-89
MMST3906	PNP	40	0.2	100	300	0.4	5	250	0.15	SOT-323
MMBT3906T	PNP	40	0.2	100	300	0.4	5	250	0.15	SOT-523
MMBT3906	PNP	40	0.2	100	300	0.3	5	250	0.25	SOT-23
MMBT4403T	PNP	40	0.6	100	300	0.75	50	200	0.15	SOT-523
MMST4403	PNP	40	0.6	100	300	0.4	15	200	0.2	SOT-323
MMBT2907	PNP	40	0.6	100	300	0.4	15	200	0.35	SOT-23
MMBT4403	PNP	40	0.6	100	300	0.4	15	200	0.35	SOT-23
PXT4403	PNP	40	0.6	100	300	0.75	50	200	0.5	SOT-89
FMMT720	PNP	40	2	300	-	0.33	100	150	0.35	SOT-23
FMMT720-3L	PNP	40	2	300	-	0.33	100	150	0.35	SOT-23-3L
S9015	PNP	45	0.1	200	1000	0.3	10	100	0.2	SOT-23
BC857AW	PNP	45	0.1	125	250	0.65	5	100	0.2	SOT-323
BC857BW	PNP	45	0.1	220	475	0.65	5	100	0.2	SOT-323
BC857CW	PNP	45	0.1	420	800	0.65	5	100	0.2	SOT-323
BC857AL	PNP	45	0.1	125	250	0.4	5	100	0.25	DFN1006-3
BC857BL	PNP	45	0.1	220	475	0.4	5	100	0.25	DFN1006-3
BC857CL	PNP	45	0.1	420	800	0.4	5	100	0.25	DFN1006-3
BC857A	PNP	45	0.1	125	250	0.65	0.5	100	0.25	SOT-23
BC857B	PNP	45	0.1	220	475	0.65	0.5	100	0.25	SOT-23
BC857C	PNP	45	0.1	420	800	0.65	0.5	100	0.25	SOT-23
BC857AT	PNP	45	0.1	125	250	0.65	5	100	0.265	SOT-523
BC857BT	PNP	45	0.1	220	475	0.65	5	100	0.265	SOT-523
BC857CT	PNP	45	0.1	420	800	0.65	5	100	0.265	SOT-523
BC857AM	PNP	45	0.1	125	250	0.65	5	100	0.265	SOT-723
BC857BM	PNP	45	0.1	220	475	0.65	5	100	0.265	SOT-723
BC857CM	PNP	45	0.1	420	800	0.65	5	100	0.265	SOT-723

小信号三极管 Small Signal Transistors

Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (A)	h_{FE} min	h_{FE} max	$V_{CE(sat)}$ (V)	I_B (mA)	f_T (MHz) min.	P_D (W) max.	Package
BC807T-16	PNP	45	0.5	100	250	0.7	50	100	0.15	SOT-523
BC807T-25	PNP	45	0.5	160	400	0.7	50	100	0.15	SOT-523
BC807T-40	PNP	45	0.5	250	600	0.7	50	100	0.15	SOT-523
BC807-16W	PNP	45	0.5	100	250	0.7	50	200(typ)	0.25	SOT-323
BC807-25W	PNP	45	0.5	160	400	0.7	50	200(typ)	0.25	SOT-323
BC807-40W	PNP	45	0.5	250	600	0.7	50	200(typ)	0.25	SOT-323
BC807-16	PNP	45	0.5	100	250	0.7	50	200(typ)	0.32	SOT-23
BC807-25	PNP	45	0.5	160	400	0.7	50	200(typ)	0.32	SOT-23
BC807-40	PNP	45	0.5	250	600	0.7	50	200(typ)	0.32	SOT-23
BCW68F	PNP	45	0.8	100	250	0.7	50	200(typ)	0.33	SOT-23
BCW68G	PNP	45	0.8	160	400	0.7	50	200(typ)	0.33	SOT-23
BCW68H	PNP	45	0.8	250	630	0.7	50	200(typ)	0.33	SOT-23
BCP51	PNP	45	1	40	250	0.5	50	125(typ)	1.5	SOT-223
BCP51-10	PNP	45	1	63	160	0.5	50	125(typ)	1.5	SOT-223
BCP51-16	PNP	45	1	100	250	0.5	50	125(typ)	1.5	SOT-223
BCX51	PNP	45	1	40	250	0.5	50	125(typ)	0.5	SOT-89
BCX51-10	PNP	45	1	63	160	0.5	50	125(typ)	0.5	SOT-89
BCX51-16	PNP	45	1	100	250	0.5	50	125(typ)	0.5	SOT-89
2SA812	PNP	50	0.1	90	600	0.3	10	180(typ)	0.2	SOT-23
2SA733	PNP	50	0.1	90	600	0.3	10	180(typ)	0.25	SOT-23
KTA2014	PNP	50	0.15	70	400	0.3	10	80	0.1	SOT-323
2SA1162	PNP	50	0.15	70	400	0.3	10	80	0.15	SOT-23
KTA1504	PNP	50	0.15	70	400	0.3	10	80	0.15	SOT-23
2SA1774	PNP	50	0.15	120	560	0.5	5	140(typ)	0.15	SOT-523
2SA2029	PNP	50	0.15	120	560	0.5	5	140(typ)	0.15	SOT-723
2SA1037	PNP	50	0.15	120	560	0.5	5	140(typ)	0.2	SOT-23
2SA1179	PNP	50	0.15	200	400	0.5	5	180(typ)	0.2	SOT-23
2SA1037-3L	PNP	50	0.15	120	560	0.5	5	140(typ)	0.2	SOT-23-3L
2SA1576A	PNP	50	0.15	120	560	0.5	5	140	0.2	SOT-323
2SA1015	PNP	50	0.15	70	400	0.3	10	80	0.4	SOT-23
2SA1235A	PNP	50	0.2	150	800	0.3	10	200(Typ.)	0.15	SOT-23
2SB1116	PNP	50	1	135	600	0.3	50	70	0.35	SOT-23
2SB766A	PNP	50	1	85	340	0.4	50	200(typ)	1	SOT-89
GT5350	PNP	50	2	200	-	0.3	200	100	0.3	SOT-23
2SA1020	PNP	50	2	70	240	0.5	50	100(typ)	0.5	SOT-89
2SA1213	PNP	50	2	70	240	0.5	50	120(typ)	0.5	SOT-89
KTA1666	PNP	50	2	70	240	0.5	50	120(typ)	0.5	SOT-89
2SB1440	PNP	50	2	120	340	0.3	50	150(typ)	1	SOT-89
GT5350R	PNP	50	2	130	-	0.3	200	100	1.15	SOT-223
GT5350R	PNP	50	2	130	-	0.3	200	100	1.15	SOT-223
2SA2153	PNP	50	2	200	560	0.4	50	150	1.3	SOT-89
2SA1797	PNP	50	3	82	270	0.35	50	200(typ)	0.9	SOT-89
GT5350E	PNP	50	3	200	-	0.5	100	100	0.55	SOT-89
2SB1124	PNP	50	3	100	560	0.7	100	150(typ)	1	SOT-89
GSS6050P	PNP	50	3	100	400	0.7	100	150(typ)	1	SOT-89

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Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (A)	h_{FE} min	h_{FE} max	$V_{CE(sat)}$ (V)	I_B (mA)	f_T (MHz) min.	P_D (W) max.	Package
2SB1184	PNP	50	3	82	390	1	200	70(typ)	1	TO-252
2SA1012	PNP	50	5	70	240	0.4	150	60(typ)	2	TO-220AB
2SA1012	PNP	50	5	70	240	0.4	150	60(typ)	25	TO-252
MMSTA55	PNP	60	0.5	100	-	0.25	10	50	0.2	SOT-323
MMBTA55	PNP	60	0.5	100	-	0.25	10	50	0.35	SOT-23
MMBT2907AT	PNP	60	0.6	100	300	1.6	50	200	0.15	SOT-523
MMST2907A	PNP	60	0.6	100	300	1.6	50	200	0.2	SOT-323
MMBT2907AM	PNP	60	0.6	100	300	1.6	50	200	0.265	SOT-723
MMBT2907A	PNP	60	0.6	100	300	1.6	50	200	0.3	SOT-23
PZT2907A	PNP	60	0.6	100	300	1.6	50	200	1.15	SOT-223
PXT2907A	PNP	60	0.6	100	300	1.6	50	200	1.3	SOT-89
BCP52	PNP	60	1	40	250	0.5	50	125(typ)	1.5	SOT-223
BCP52-10	PNP	60	1	63	160	0.5	50	125(typ)	0.265	SOT-223
BCP52-16	PNP	60	1	100	250	0.5	50	125(typ)	0.265	SOT-223
FMMT591	PNP	60	1	100	300	0.6	100	150	0.5	SOT-23
BCX52	PNP	60	1	40	250	0.5	50	125(typ)	0.5	SOT-89
BCX52-10	PNP	60	1	63	160	0.5	50	125(typ)	0.5	SOT-89
BCX52-16	PNP	60	1	100	250	0.5	50	125(typ)	0.5	SOT-89
FCX491	PNP	60	1	100	300	0.5	100	150	1	SOT-89
2SB834	PNP	60	3	60	200	1	300	5	1.5	TO-220AB
KTA1046	PNP	60	3	100	300	1	200	30(typ)	2	ITO-220AB
FZT751	PNP	60	3	40	-	0.6	300	100	2	SOT-223
2SB1261	PNP	60	3	100	400	0.3	150	50(typ)	2	TO-251/252
2SB834B	PNP	60	3	60	200	1	300	5	2	TO-263
KT81151	PNP	60	5	100	400	0.3	200	-	1.5	TO-126
GBLS6003D	PNP	60	1	100	300	0.34	100	150	0.4	SOT-23-6L
GT5360	PNP	60	2	150	-	0.22	200	100	0.46	SOT-23
GT5360-3L	PNP	60	2	150	-	0.22	200	100	0.46	SOT-23-3L
BC856AW	PNP	65	0.1	125	250	0.65	5	100	0.2	SOT-323
BC856BW	PNP	65	0.1	220	475	0.65	5	100	0.2	SOT-323
BC856AL	PNP	65	0.1	220	475	0.65	5	100	0.25	DFN1006-3
BC856BL	PNP	65	0.1	220	475	0.65	5	100	0.25	DFN1006-3
BC856A	PNP	65	0.1	125	250	0.3	0.5	100	0.25	SOT-23
BC856B	PNP	65	0.1	220	475	0.3	0.5	100	0.25	SOT-23
BC856AT	PNP	65	0.1	125	250	0.65	5	100	0.265	SOT-523
BC856BT	PNP	65	0.1	220	475	0.65	5	100	0.265	SOT-523
BC856AM	PNP	65	0.1	125	250	0.65	5	100	0.265	SOT-723
BC856BM	PNP	65	0.1	220	475	0.65	5	100	0.265	SOT-723
2SB1198	PNP	80	0.5	120	390	0.5	50	180(typ)	0.2	SOT-23
MMSTA56	PNP	80	0.5	100	-	0.25	10	50	0.2	SOT-323
MMBTA56	PNP	80	0.5	100	-	0.25	10	50	0.35	SOT-23
KTX711T-6L	PNP	80	0.5	100	250	0.25	10	100	0.9	SOT-23-6L
2SB1189	PNP	80	0.7	82	390	0.4	50	100(typ)	0.5	SOT-89
BCP53	PNP	80	1	40	250	0.5	50	125(typ)	0.265	SOT-223
BCP53-10	PNP	80	1	63	160	0.5	50	125(typ)	0.265	SOT-223

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Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (A)	h_{FE} min	h_{FE} max	$V_{CE(sat)}$ (V)	I_B (mA)	f_T (MHz) min.	P_D (W) max.	Package
BCP53-16	PNP	80	1	100	250	0.5	50	125(typ)	0.265	SOT-223
BCX53-3L	PNP	80	1	100	250	0.5	50	125	0.5	SOT-23-3L
2SB1260	PNP	80	1	120	390	0.4	50	-	0.5	SOT-89
BCX53	PNP	80	1	40	250	0.5	50	125(typ)	0.5	SOT-89
BCX53-10	PNP	80	1	63	160	0.5	50	125(typ)	0.5	SOT-89
BCX53-16	PNP	80	1	100	250	0.5	50	125(typ)	0.5	SOT-89
2SB1260I	PNP	80	1	120	390	0.4	50	-	1	TO-251
2SB1241I	PNP	80	1	120	390	0.4	50	100(typ)	1	TO-251
2SB1260D	PNP	80	1	120	390	0.4	50	-	1	TO-252
2SB1241D	PNP	80	1	120	390	0.4	50	-	1	TO-252
2SB804	PNP	80	1	90	400	0.5	50	80(typ)	2	SOT-89
2SAR544R-3L	PNP	80	2.5	120	390	0.4	50	280(typ)	0.5	SOT-23-3L
MJD45H11	PNP	80	8	60	-	1	400	40(typ)	20	TO-252
FMMT493	PNP	100	1	100	300	0.6	100	150	0.5	SOT-23
FMMT593	PNP	100	1	100	300	0.3	50	50	0.5	SOT-23
FMMT593E	PNP	100	1	100	300	0.3	50	50	0.55	SOT-89
MJD117	PNP	100	2	1000	12000	3	40	25	1.5	TO-251/252
MJD32C	PNP	100	3	15	75	1.2	375	3	1.5	TO-251/252
2SB1216	PNP	100	4	70	400	1.2	200	130(typ)	1	TO-251/252
2SD1816	PNP	100	4	70	400	1.2	200	180(typ)	1	TO-251/252
TIP127	PNP	100	5	1000	-	4	20	-	2	TO-220AB
MJD42C	PNP	100	6	15	75	1.5	600	3	1.5	TO-252
TIP42C	PNP	100	6	15	75	1.5	600	3	2	TO-220AB
MJD127	PNP	100	8	1000	12000	4	80	-	1.5	TO-251/252
2SB806	PNP	120	0.7	90	400	0.6	50	75(typ)	2	SOT-89
2SA1201	PNP	120	0.8	80	240	1	50	120(typ)	0.5	SOT-89
2SA1661	PNP	120	0.8	80	240	1	50	120(typ)	0.5	SOT-89
FZT955	PNP	140	4	110	300	-	-	110(typ)	1	SOT-223
CXT5401	PNP	150	0.5	100	300	0.5	5	100	0.5	SOT-89
MMST5401	PNP	150	0.6	60	240	0.5	5	100	0.2	SOT-323
MMBT5401	PNP	150	0.6	100	300	0.5	5	100	0.35	SOT-23
2SA1013	PNP	160	1	60	320	1.5	50	15	0.5	SOT-89
2SA1225	PNP	160	1.5	70	240	1.5	50	100(typ)	1	TO-251/252
MMBTA92	PNP	300	0.5	40	-	0.5	2	50	0.3	SOT-23
A92	PNP	300	0.5	100	-	0.5	2	50(typ)	0.5	SOT-89
FMMT558	PNP	400	0.15	100	300	0.5	6	50	0.5	SOT-23
2SA1740	PNP	400	0.225	60	200	0.8	5	70(typ)	0.5	SOT-89
FCX458	PNP	400	0.225	100	300	0.5	5	50	1	SOT-89
BL9040R	PNP	400	0.25	100	200	0.2	20	55(typ)	0.7	SOT-223
MMBTA94	PNP	400	0.3	100	200	0.75	5	-	0.35	SOT-23
A94	PNP	400	0.3	70	300	0.5	5	50	0.35	SOT-89
PZTA94	PNP	400	0.3	70	300	0.5	5	50	1.35	SOT-223
2SA1727	PNP	400	0.5	82	270	1	10	12(typ)	1	TO-252
BL2545	PNP	420	0.3	100	200	0.75	5	-	0.35	SOT-23
FMMT560	PNP	500	0.15	100	300	0.5	10	60	0.5	SOT-23

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Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (A)	h_{FE} min	h_{FE} max	$V_{CE(sat)}$ (V)	I_B (mA)	f_T (MHz) min.	P_D (W) max.	Package
FMMT560R	PNP	500	0.15	100	300	0.5	10	60	3.1	SOT-23
BCV62	PNP2	30	0.1	100	800	0.65	5	100	0.25	SOT-143
BCV62A	PNP2	30	0.1	125	250	0.65	5	100	0.25	SOT-143
BCV62B	PNP2	30	0.1	220	475	0.65	5	100	0.25	SOT-143
BCV62C	PNP2	30	0.1	420	800	0.65	5	100	0.25	SOT-143
MMDT3906V	PNP2	40	0.2	100	300	0.4	5	250	0.15	SOT-563
MMDT3906	PNP2	40	0.2	100	300	0.4	5	250	0.2	SOT-363
BCM62B	PNP2	45	0.1	200	450	0.4	5	100	0.39	SOT-143
UMT1N	PNP2	50	0.15	120	560	0.5	5	140(typ)	0.15	SOT-363
UMT1N	PNP2	50	0.15	120	560	0.5	5	140(typ)	0.15	SOT-363
IMT2A	PNP2	50	0.15	120	560	0.5	5	140(typ)	0.3	SOT-23-6L
MMDT2907A	PNP2	60	0.6	100	300	1.6	50	200	0.2	SOT-363
BC856S	PNP2	65	0.1	200	475	0.3	0.5	250(typ)	0.25	SOT-363
MMDT5401	PNP2	150	0.2	100	300	0.5	5	100	0.2	SOT-363
DMMT5401	PNP2	150	0.2	60	240	0.5	5	100	0.3	SOT-23-6L

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Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (mA)	Gi	$V_{O(on)}$ (V)	f_T MHz typ.	R1 (k Ω)	R2 (k Ω)	R2/R1 typ.	$V_{I(off)}$ (V) max.	$V_{I(on)}$ (V) min.	P_D (mW)	Package
DTB113ZCA	NPN	50	500	56	0.3	200	1	10	10	0.3	3	200	SOT-23
DTB114ECA	NPN	50	500	56	0.3	200	10	10	1	0.5	3	200	SOT-23
DTB123YCA	NPN	50	500	56	0.3	200	2.2	10	4.5	0.3	2	200	SOT-23
DTC113ZCA	NPN	50	100	33	0.3	250	1	10	10	0.3	3	200	SOT-23
DTC113ZE	NPN	50	100	33	0.3	250	1	10	10	0.3	3	150	SOT-523
DTC113ZM	NPN	50	100	33	0.3	250	1	10	10	0.3	3	100	SOT-723
DTC113ZUA	NPN	50	100	33	0.3	250	1	10	10	0.3	3	200	SOT-323
DTC114ECA	NPN	50	50	30	0.3	250	10	10	1	0.5	3	200	SOT-23
DTC114EE	NPN	50	50	30	0.3	250	10	10	1	0.5	3	150	SOT-523
DTC114EM	NPN	50	50	30	0.3	250	10	10	1	0.5	3	100	SOT-723
DTC114EUA	NPN	50	50	30	0.3	250	10	10	1	0.5	3	200	SOT-323
DTC114TCA	NPN	50	100	100-600	0.1	250	10	-	-	0.5	3	200	SOT-23
DTC114TE	NPN	50	100	100-600	0.1	250	10	-	-	0.5	3	150	SOT-523
DTC114WCA	NPN	50	100	24	0.3	250	10	4.7	0.47	0.8	3	200	SOT-23
DTC114WE	NPN	50	100	24	0.3	250	10	4.7	0.47	0.8	3	150	SOT-523
DTC114WM	NPN	50	100	24	0.3	250	10	4.7	0.47	0.8	3	100	SOT-723
DTC114WUA	NPN	50	100	24	0.3	250	10	4.7	0.47	0.8	3	200	SOT-323
DTC114YCA	NPN	50	70	68	0.3	250	10	47	4.7	0.3	1.4	200	SOT-23
DTC114YE	NPN	50	70	68	0.3	250	10	47	4.7	0.3	1.4	150	SOT-523
DTC114YM	NPN	50	70	68	0.3	250	10	47	4.7	0.3	1.4	100	SOT-723
DTC114YUA	NPN	50	70	68	0.3	250	10	47	4.7	0.3	1.4	200	SOT-323
DTC123JCA	NPN	50	100	80	0.3	250	2.2	47	21	0.5	1.1	200	SOT-23
DTC123JE	NPN	50	100	80	0.3	250	2.2	47	21	0.5	1.1	150	SOT-523
DTC123JM	NPN	50	100	80	0.3	250	2.2	47	21	0.5	1.1	100	SOT-723
DTC123JUA	NPN	50	100	80	0.3	250	2.2	47	21	0.5	1.1	200	SOT-323
DTC123YCA	NPN	50	100	33	0.3	250	2.2	10	4.5	0.3	3	200	SOT-23
DTC123YE	NPN	50	100	33	0.3	250	2.2	10	4.5	0.3	3	150	SOT-523
DTC123YM	NPN	50	100	33	0.3	250	2.2	10	4.5	0.3	3	100	SOT-723
DTC123YUA	NPN	50	100	33	0.3	250	2.2	10	4.5	0.3	3	200	SOT-323
DTC124ECA	NPN	50	30	56	0.3	250	22	22	1	0.5	3	200	SOT-23
DTC124EE	NPN	50	30	56	0.3	250	22	22	1	0.5	3	150	SOT-523
DTC124EM	NPN	50	30	56	0.3	250	22	22	1	0.5	3	100	SOT-723
DTC124EUA	NPN	50	30	56	0.3	250	22	22	1	0.5	3	200	SOT-323
DTC124XCA	NPN	50	50	68	0.3	250	22	47	2.1	0.4	2.5	200	SOT-23
DTC143ECA	NPN	50	100	20	0.3	250	4.7	4.7	1	0.5	3	200	SOT-23
DTC143EE	NPN	50	100	20	0.3	250	4.7	4.7	1	0.5	3	150	SOT-523
DTC143EM	NPN	50	100	20	0.3	250	4.7	4.7	1	0.5	3	100	SOT-723
DTC143EUA	NPN	50	100	20	0.3	250	4.7	4.7	1	0.5	3	200	SOT-323
DTC143TCA	NPN	50	100	100-600	0.1	250	4.7	-	-	0.3	3	200	SOT-23
DTC143TE	NPN	50	100	100-600	-	250	4.7	-	-	-	-	150	SOT-523
DTC143TUA	NPN	50	100	100-600	-	250	4.7	-	-	-	-	200	SOT-323
DTC143XCA	NPN	50	100	30	0.3	250	4.7	10	21	0.3	2.5	200	SOT-23
DTC143XE	NPN	50	100	30	0.3	250	4.7	10	21	0.3	2.5	150	SOT-523
DTC143XM	NPN	50	100	30	0.3	250	4.7	10	21	0.3	2.5	100	SOT-723
DTC143XUA	NPN	50	100	30	0.3	250	4.7	10	21	0.3	2.5	200	SOT-323

数字三极管 Digital Transistors

Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (mA)	G_i	$V_{O(ON)}$ (V)	f_T MHz typ.	R1 (k Ω)	R2 (k Ω)	R2/R1 typ.	$V_{I(off)}$ (V) max.	$V_{I(on)}$ (V) min.	P_D (mW)	Package
DTC143ZCA	NPN	50	100	80	0.3	250	4.7	47	10	0.5	1.3	200	SOT-23
DTC143ZE	NPN	50	100	80	0.3	250	4.7	47	10	0.5	1.3	150	SOT-523
DTC143ZM	NPN	50	100	80	0.3	250	4.7	47	10	0.5	1.3	100	SOT-723
DTC143ZUA	NPN	50	100	80	0.3	250	4.7	47	10	0.5	1.3	200	SOT-323
DTC144ECA	NPN	50	100	68	0.3	250	47	47	1	0.5	3	200	SOT-23
DTC144EE	NPN	50	30	68	0.3	250	47	47	1	0.5	3	150	SOT-523
DTC144EM	NPN	50	30	68	0.3	250	47	47	1	0.5	3	100	SOT-723
DTC144EUA	NPN	50	30	68	0.3	250	47	47	1	0.5	3	200	SOT-323
DTC144TCA	NPN	50	100	85-600	0.1	250	47	-	-	0.3	1.4	200	SOT-23
DTC144TE	NPN	50	100	85-600	-	250	47	-	-	-	-	150	SOT-523
EMD12	NPN+PNP	50	50	30	0.3	250	10	10	1	0.5	3	150	SOT-563
EMD22	NPN+PNP	50	100	80	0.3	250	4.7	47	10	0.5	1.3	150	SOT-563
EMD3	NPN+PNP	50	50	30	0.3	250	10	10	1	0.5	3	150	SOT-563
EMD9	NPN+PNP	50	70	68	0.3	250	10	47	4.7	0.3	1.4	150	SOT-563
UMC2N	NPN+PNP	50	100	56	0.3	250	22	22	1	0.5	3	150	SOT-353
UMC4N	NPN+PNP	50	100	68	0.3	250	N:47 P:10	47	N:1 P:4.7	N:0.5 P:0.3	N:3 P:1.4	150	SOT-353
UMD10N	NPN+PNP	50	100	80	0.3	250	2.2	47	21	0.5	1.1	200	SOT-23-3L
UMD12N	NPN+PNP	50	30	68	0.3	250	47	47	1	0.5	3	150	SOT-363
UMD13N	NPN+PNP	50	100	80	0.3	250	4.7	47	10	0.5	1.3	200	SOT-363
UMD15N	NPN+PNP	50	100	20	0.3	250	4.7	4.7	1	0.5	3	150	SOT-363
UMD22N	NPN+PNP	50	100	80	0.3	250	4.7	47	10	0.5	1.3	200	SOT-363
UMD2N	NPN+PNP	50	30	56	0.3	250	22	22	1	0.5	3	150	SOT-363
UMD34N	NPN+PNP	50	100	3	0.3	250	1	1	1	0.5	3	150	SOT-363
UMD3N	NPN+PNP	50	100	30	0.3	250	10	10	1	0.5	3	150	SOT-363
UMD9N	NPN+PNP	50	50	30	0.3	250	10	10	1	0.5	3	150	SOT-363
EMG2	NPNX2	50	30	68	0.3	250	47	47	1	0.5	3	150	SOT-553
EMG8	NPNX2	50	100	80	0.3	250	4.7	47	10	0.5	1.3	150	SOT-553
EMH10	NPNX2	50	100	80	0.3	250	2.2	47	21	0.5	1.1	150	SOT-563
EMH11	NPNX2	50	50	30	0.3	250	10	10	1	0.5	3	150	SOT-563
EMH2	NPNX2	50	30	68	0.3	250	47	47	1	0.5	3	150	SOT-563
EMH25	NPNX2	50	100	80	0.3	250	4.7	47	10	0.5	1.3	150	SOT-563
EMH9	NPNX2	50	70	68	0.3	250	10	47	4.7	0.3	1.4	150	SOT-563
UMH11N	NPNX2	50	50	30	0.3	250	10	10	1	0.5	3	150	SOT-363
UMH13N	NPNX2	50	100	80	0.3	250	4.7	47	10	0.5	1.3	300	SOT-363
UMH15N	NPNX2	50	100	20	0.3	250	4.7	4.7	1	0.5	3	300	SOT-363
UMH2N	NPNX2	50	100	68	0.3	250	47	47	1	0.5	3	150	SOT-363
UMH4N	NPNX2	50	100	100-600	0.1	250	10	-	-	0.5	3	150	SOT-363
UMH6N	NPNX2	50	30	68	0.3	250	47	47	1	0.5	3	150	SOT-363
UMH7N	NPNX2	50	100	100-600	0.3	250	4.7	-	-	0.5	3	150	SOT-363
UMH9N	NPNX2	50	70	68	0.3	250	10	47	4.7	0.3	1.4	150	SOT-363
DTA113ZCA	PNP	50	100	33	0.3	250	1	10	10	0.3	3	200	SOT-23
DTA113ZE	PNP	50	100	33	0.3	250	1	10	10	0.3	3	150	SOT-523
DTA113ZM	PNP	50	100	33	0.3	250	1	10	10	0.3	3	100	SOT-723
DTA114ECA	PNP	50	50	30	0.3	250	10	10	1	0.5	3	200	SOT-23
DTA114EDW	PNP	50	100	30	0.3	250	10	10	1	0.5	3	150	SOT-363

数字三极管 Digital Transistors

Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (mA)	G_i	$V_{O(ON)}$ (V)	f_T MHz typ.	R1 (k Ω)	R2 (k Ω)	R2/R1 typ.	$V_{I(off)}$ (V) max.	$V_{I(on)}$ (V) min.	P_D (mW)	Package
DTA114EE	PNP	50	50	30	0.3	250	10	10	1	0.5	3	150	SOT-523
DTA114EM	PNP	50	100	30	0.3	250	10	10	1	0.5	3	100	SOT-723
DTA114EUA	PNP	50	50	30	0.3	250	10	10	1	0.5	3	200	SOT-323
DTA114TCA	PNP	50	100	100-600	0.1	250	10	-	-	0.5	3	200	SOT-23
DTA114TE	PNP	50	100	100-600	0.1	250	10	-	-	0.5	3	150	SOT-523
DTA114TUA	PNP	50	100	100-600	0.1	250	10	-	-	0.5	3	200	SOT-323
DTA114WCA	PNP	50	100	24	0.3	250	10	4.7	0.47	0.8	3	200	SOT-23
DTA114WE	PNP	50	100	24	0.3	250	10	4.7	0.47	0.8	3	150	SOT-523
DTA114WM	PNP	50	100	24	0.3	250	10	4.7	0.47	0.8	3	100	SOT-723
DTA114YCA	PNP	50	70	68	0.3	250	10	47	4.7	0.3	1.4	200	SOT-23
DTA114YE	PNP	50	70	68	0.3	250	10	47	4.7	0.3	1.4	150	SOT-523
DTA114YM	PNP	50	70	68	0.3	250	10	47	4.7	0.3	1.4	100	SOT-723
DTA114YUA	PNP	50	70	68	0.3	250	10	47	4.7	0.3	1.4	200	SOT-323
DTA123JCA	PNP	50	100	80	0.3	250	2.2	47	21	0.5	1.1	200	SOT-23
DTA123JE	PNP	50	100	80	0.3	250	2.2	47	21	0.5	1.1	150	SOT-523
DTA123JM	PNP	50	100	80	0.3	250	2.2	47	21	0.5	1.1	100	SOT-723
DTA123JUA	PNP	50	100	80	0.3	250	2.2	47	21	0.5	1.1	200	SOT-323
DTA123YCA	PNP	50	100	33	0.3	250	2.2	10	4.5	0.3	3	200	SOT-23
DTA123YE	PNP	50	100	33	0.3	250	2.2	10	4.5	0.3	3	150	SOT-523
DTA123YM	PNP	50	100	33	0.3	250	2.2	10	4.5	0.3	3	100	SOT-723
DTA123YUA	PNP	50	100	33	0.3	250	2.2	10	4.5	0.3	3	200	SOT-323
DTA124ECA	PNP	50	30	56	0.3	250	22	22	1	0.5	3	200	SOT-23
DTA124EE	PNP	50	30	56	0.3	250	22	22	1	0.5	3	150	SOT-523
DTA124EM	PNP	50	30	56	0.3	250	22	22	1	0.5	3	100	SOT-723
DTA124EUA	PNP	50	30	56	0.3	250	22	22	1	0.5	3	200	SOT-323
DTA143ECA	PNP	50	100	20	0.3	250	4.7	4.7	1	0.5	3	200	SOT-23
DTA143EE	PNP	50	100	20	0.3	250	4.7	4.7	1	0.5	3	150	SOT-523
DTA143EKA	PNP	50	100	20	0.3	250	4.7	4.7	1	0.5	3	200	SOT-723
DTA143EM	PNP	50	100	20	0.3	250	4.7	4.7	1	0.5	3	100	SOT-723
DTA143EUA	PNP	50	100	20	0.3	250	4.7	4.7	1	0.5	3	200	SOT-323
DTA143TCA	PNP	50	100	100-600	-	250	4.7	-	-	-	-	200	SOT-23
DTA143TE	PNP	50	100	100-600	0.1	250	10	-	-	0.3	3	150	SOT-523
DTA143XCA	PNP	50	100	30	0.3	250	4.7	10	2.1	0.3	2.5	200	SOT-23
DTA143XE	PNP	50	100	30	0.3	250	4.7	10	2.1	0.3	2.5	150	SOT-523
DTA143XM	PNP	50	100	30	0.3	250	4.7	10	2.1	0.3	2.5	100	SOT-723
DTA143XUA	PNP	50	100	30	0.3	250	4.7	10	2.1	0.3	2.5	200	SOT-323
DTA143ZCA	PNP	50	100	80	0.3	250	4.7	47	10	0.5	1.3	200	SOT-23
DTA143ZE	PNP	50	100	80	0.3	250	4.7	47	10	0.5	1.3	150	SOT-523
DTA143ZM	PNP	50	100	80	0.3	250	4.7	47	10	0.5	1.3	100	SOT-723
DTA143ZUA	PNP	50	100	80	0.3	250	4.7	47	10	0.5	1.3	200	SOT-323
DTA144ECA	PNP	50	30	68	0.3	250	47	47	1	0.5	3	200	SOT-23
DTA144EE	PNP	50	30	68	0.3	250	47	47	1	0.5	3	150	SOT-523
DTA144EM	PNP	50	100	68	0.3	250	47	47	1	0.5	3	100	SOT-723
DTA144EUA	PNP	50	30	68	0.3	250	47	47	1	0.5	3	200	SOT-323
DTA144TCA	PNP	50	100	85-600	-	250	4.7	-	-	-	-	200	SOT-23

数字三极管 Digital Transistors

Part No.	Polarity	$V_{(BR)CEO}$ (V) min.	I_C (mA)	G_i	$V_{O(ON)}$ (V)	f_T MHz typ.	R1 (k Ω)	R2 (k Ω)	R2/R1 typ.	$V_{I(off)}$ (V) max.	$V_{I(on)}$ (V) min.	P_D (mW)	Package
DTA144TE	PNP	50	100	85-600	0.1	250	47	-	-	0.3	1.4	150	SOT-523
DTA144TUA	PNP	50	100	85-600	-	250	47	-	-	-	-	200	SOT-323
DTD113ZCA	PNP	50	500	82	0.3	200	1	10	10	0.3	1.5	200	SOT-23
DTD114ECA	PNP	50	500	56	0.3	200	10	10	1	0.5	3	200	SOT-23
DTD123ECA	PNP	50	500	39	0.3	200	2.2	2.2	1	0.5	3	200	SOT-23
DTD123YCA	PNP	50	500	56	0.3	200	2.2	10	4.5	0.3	2	200	SOT-23
DTD143ECA	PNP	50	500	47	0.3	200	4.7	4.7	1	0.5	3	200	SOT-23
UMH10N	PNPX2	50	100	80	0.3	250	2.2	47	21	0.5	1.1	150	SOT-363



绝缘栅双极型晶体管 Insulated Gate Bipolar Transistors

IGBT单管	242
IGBT Discretes: Insulated Gate Bipolar Transistor	
IGBT模块	243
IGBT Modules: Insulated Gate Bipolar Transistor	

IGBT单管 IGBT Discretes:Insulated Gate Bipolar Transistor

Part No.	Bv _{cess} V Min.	I _c (A) @100°C	Diode I _r (A) @100°C	T _{sc} (us)	V _{cesat} (V) typ.	V _{ce} (V) typ.	Package
GKD06N65	650V	6A	6A	10us	1.76V	1.9V	TO-252
GK(F/B/P/U)20N65EH3	650V	20A	20A	5us	1.95V	1.9V	TO220AB/TO263/ TO220AB/TO247
GKU40N65DH3	650V	40A	20A	/	1.8V	1.9V	TO247
GKU40N65EH3	650V	40A	40A	/	1.8V	1.8V	TO247
GKU50N65DH3	650V	50A	40A	5us	1.8V	1.7V	TO247
(T)GKU50N65ET	650V	50A	50A	5us	1.8V	1.6V	TO247
GKU60N65DH5	650V	60A	40A	/	1.75V	1.9V	TO247
GKU60N65EH5	650V	60A	60A	/	1.75V	1.65V	TO247
GKU75N65EH5	650V	75A	75A	5us	1.75V	1.65V	TO247
GKU100N65DH5	650V	100A	75A	5us	1.9V	1.9V	TO247
GKU10N120T2	1200V	10A	10A	10us	1.6V	2.3V	TO247
GKU15N120ET2	1200V	15A	15A	10us	1.7V	2.7V	TO247
GKU25N120ET2	1200V	25A	25A	10us	1.7V	2.2V	TO247
(T)GKU40N120NH3	1200V	40A	40A	10us	1.8V	3.5V	TO247
(T)GKU40N120ET2	1200V	40A	40A	10us	1.8V	1.9V	TO247
(T)GKU40N120DT2	1200V	40A	20A	10us	1.75V	2.5V	TO247
GKU50N120CH3	1200V	50A	50A	8us	1.65V	2.8V	TO247

IGBT模块 IGBT Modules:Insulated Gate Bipolar Transistor

Part No.	BV	IC(A) @100°C	Configuration	Package
GM40HF120S2F2A	1200	40	2-pack	S2
GM50HF120S2F2A	1200	50	2-pack	S2
GM75HF120S2F2A	1200	75	2-pack	S2
GM100HF120S2F1A	1200	100	2-pack	S2
GM100HF120S2F1B	1200	100	2-pack	S2
GM400HF65S4T1A	650	400	2-pack	S4
GM200HF120S4F1A	1200	200	2-pack	S4
GM150HF120S4F2	1200	150	2-pack	S4
GM10PJ120E1T3A	1200	10	PIM	E1
GM15PJ120E1T3A	1200	15	PIM	E1
GM25PJ120E2T3A	1200	25	PIM	E2
GM35PJ120E2T3A	1200	35	PIM	E2
GM40PI120C1T3A	1200	40	PIM	C1
GM40FFB120C1T1	1200	40	PIM	C1
GM50PI120C1T3A	1200	50	PIM	C1
GM50FFB120C1T1H	1200	50	PIM	C1
GM400HF65C3T1	650	400	2-pack	C3
GM600HF65C3T1	650	600	2-pack	C3
GM200SG65S1T1	650	200	1-pack	S1
GM100PI120C2T1X	1200	100	PIM	C2
GM150FFB120C2T1M	1200	150	6-pack	C2
GM300HF120S4T1M	1200	300	2-pack	S4
GM400HF120S4T1M	1200	400	2-pack	S4
GM450HF120C3T1M	1200	450	2-pack	C3
GM600HF120C3T1M	1200	600	2-pack	C3

F

绝缘栅双极型晶体管
Insulated Gate Bipolar Transistors

F

绝缘栅双极型晶体管
Insulated Gate Bipolar Transistors