



TRANSISTORS

NPN SMALL SIGNAL TRANSISTORS			
SOT-23			
Part No.	VCEO	IC(mA)	
2SC1623	50	100	
2SC2412K	50	150	
2SC2411K	32	500	
2SC2712	5	150	
2SC3356	12	100	
2SC3838	11	50	
BC5347B	45	100	
BC817-16	45	500	
BC817-25	45	500	
BC817-40	45	500	
BC846A	65	100	
BC846B	65	100	
BC847A	45	100	
BC847B	45	100	
BC848A	30	100	
BC848B	30	100	
BC848C	30	100	
C1815LT1	50	150	
C945LT1	50	150	
KTC3265	30	800	
KTC3875	50	150	
MMBT2222	30	600	
MMBT2222A	40	600	
MMBT3904	40	200	
MMBT4401	40	600	
MMBT5088	30	50	
MMBT5089	25	50	
MMBT5551	140	600	
MMBT6427	40	500	
MMBTA05	60	600	
MMBTA06	80	600	
MMBTA13	30	300	
MMBTA14	30	300	
MMBTA42	300	500	
MMBTA43	200	500	
MMBTA44	400	300	
MMBTH10	25	50	
MSD601	50	100	
S9013LT1	25	500	
S9014LT1	45	100	
S9018LT1	18	50	
S8050LT1	25	500	
SS8050LT1	25	1500	
SOT-223			
Part No.	VCEO	IC(mA)	
KL156	60	3000	
KL158	60	6000	
KL2222A	40	600	
KL5551	160	600	
KLBCP56	80	1000	

NPN SMALL SIGNAL TRANSISTORS			
SOT-323			
Part No.	VCEO	IC(mA)	
2SC4081	50	150	
2SC4097	32	500	
2SC4116	50	150	
BC846AW	65	100	
BC846BW	65	100	
BC847AW	45	100	
BC847BW	45	100	
BC847CW	45	100	
BC848AW	30	100	
BC848BW	30	100	
BC848CW	30	100	
MMBT2222AW	40	600	
MMBT3904W	40	200	
SS8050	25	1500	
SOT-523			
Part No.	VCEO	IC(mA)	
MMBT2222AT	40	600	
2SC4738	50	150	
MMBT3904T	40	200	
SOT-523F(SC-89)			
Part No.	VCEO	IC(mA)	
BC847AT	45	100	
BC847BT	45	100	
BC847CT	45	100	
2SC4617	50	150	
SOT-89			
Part No.	VCEO	IC(mA)	
KM2098	20	5000	
KM2222A	40	600	
KM5551	160	600	
KM669A	160	1500	
KM882	30	3000	
KMBCP56	80	1000	
SC-59			
Part No.	VCEO	IC(mA)	
MSD1328	25	500	
2SC3838Q	11	50	
TO-251			
Part No.	VCEO	IC(A)	
KI2983	160	1.5	
TO-252			
Part No.	VCEO	IC(A)	
KJ5103	60	5	
KJ5706	80	5	
KJ882	30	3	



TRANSISTORS

NPN DIGITAL TRANSISTORS		
SC-89		
Part No.	VCEO	IC(mA)
DTC114EE (R1:10KΩ R2:10KΩ)	50	100
DTC124EE (R1:22KΩ R2:22KΩ)	50	100
DTC144EE (R1:47KΩ R2:47KΩ)	50	100
DTC114YE (R1:10KΩ R2:47KΩ)	50	100
DTC114TE (R1:10KΩ R2:∞)	50	100
DTC143TE (R1:4.7KΩ R2:∞)	50	100
DTC123EE (R1:2.2KΩ R2:2.2KΩ)	50	100
DTC143EE (R1:4.7KΩ R2:4.7KΩ)	50	100
DTC143ZE (R1:4.7KΩ R2:47KΩ)	50	100
DTC124XE (R1:22KΩ R2:47KΩ)	50	100
DTC123JE (R1:2.2KΩ R2:47KΩ)	50	100
DTC115EE (R1:100KΩ R2:100KΩ)	50	100
DTC144WE (R1:47KΩ R2:22KΩ)	50	100
SOT-23		
Part No.	VCEO	IC(mA)
MMUN2211 (R1:10KΩ R2:10KΩ)	50	100
MMUN2212 (R1:22KΩ R2:22KΩ)	50	100
MMUN2213 (R1:47KΩ R2:47KΩ)	50	100
MMUN2214 (R1:10KΩ R2:47KΩ)	50	100
MMUN2215 (R1:10KΩ R2:∞)	50	100
MMUN2216 (R1:4.7KΩ R2:∞)	50	100
MMUN2230 (R1:10KΩ R2:1.0KΩ)	50	100
MMUN2231 (R1:2.2KΩ R2:2.2KΩ)	50	100
MMUN2232 (R1:4.7KΩ R2:4.7KΩ)	50	100
MMUN2233 (R1:4.7KΩ R2:47KΩ)	50	100
MMUN2234 (R1:22KΩ R2:47KΩ)	50	100
MMUN2235 (R1:2.2KΩ R2:47KΩ)	50	100
MMUN2238 (R1:2.2KΩ R2:∞)	50	100
MMUN2241 (R1:100KΩ R2:∞)	50	100
DTC143ECA (R1:4.7KΩ R2:4.7KΩ)	50	100
DTD123Y (R1:2.2KΩ R2:10KΩ)	50	100
SOT-323		
Part No.	VCEO	IC(mA)
MUN5211 (R1:10KΩ R2:10KΩ)	50	100
MUN5212 (R1:22KΩ R2:22KΩ)	50	100
MUN5213 (R1:47KΩ R2:47KΩ)	50	100
MUN5214 (R1:10KΩ R2:47KΩ)	50	100
MUN5215 (R1:10KΩ R2:∞)	50	100
MUN5216 (R1:4.7KΩ R2:∞)	50	100
MUN5230 (R1:1.0KΩ R2:1.0KΩ)	50	100
MUN5231 (R1:2.2KΩ R2:2.2KΩ)	50	100
MUN5232 (R1:4.7KΩ R2:4.7KΩ)	50	100
MUN5233 (R1:4.7KΩ R2:47KΩ)	50	100
MUN5234 (R1:22KΩ R2:47KΩ)	50	100
MUN5235 (R1:2.2KΩ R2:47KΩ)	50	100
MUN5236 (R1:100KΩ R2:100KΩ)	50	100
MUN5237 (R1:47KΩ R2:22KΩ)	50	100
SOT-723		
Part No.	VCEO	IC(mA)
DTC114EM (R1:10KΩ R2:10KΩ)	50	100
DTC124EM (R1:22KΩ R2:22KΩ)	50	100
DTC144EM (R1:47KΩ R2:47KΩ)	50	100
DTC114YM (R1:10KΩ R2:47KΩ)	50	100
DTC114TM (R1:10KΩ R2:∞)	50	100
DTC143TM (R1:4.7KΩ R2:∞)	50	100
DTC123EM (R1:2.2KΩ R2:2.2KΩ)	50	100
DTC143EM (R1:4.7KΩ R2:4.7KΩ)	50	100
DTC143ZM (R1:4.7KΩ R2:47KΩ)	50	100
DTC124XM (R1:22KΩ R2:47KΩ)	50	100
DTC123JM (R1:2.2KΩ R2:47KΩ)	50	100
DTC115EM (R1:100KΩ R2:100KΩ)	50	100
DTC144WM (R1:47KΩ R2:22KΩ)	50	100
DTC144TM (R1:47KΩ R2:∞)	50	100

PNP SMALL SIGNAL TRANSISTORS		
SOT-23		
Part No.	VCEO	IC(mA)
2SA1036K	-32	-500
2SA1037AK	-50	-150
2SA812	-50	-100
2SB1197	-32	-800
A1015LT1	-50	-150
A733LT1	-50	-100
BC807-16	-45	-500
BC807-25	-45	-500
BC807-40	-45	-500
BC808	-25	-800
BC856A	-65	-100
BC856B	-65	-100
BC857A	-45	-100
BC857B	-45	-100
BC858A	-30	-100
BC858B	-30	-100
BC858C	-30	-100
FMMT591	-60	-1000
KTA1298	-30	-800
KTA1504	-50	-150
KTA1505	-30	-500
MMBT2907	-40	-600
MMBT2907A	-60	-600
MMBT3906	-40	-200
MMBT4403	-40	-600
MMBT5401	-150	-500
MMBTA55	-60	-500
MMBTA56	-80	-500
MMBTA63	-30	-500
MMBTA64	-30	-500
MMBTA92	-300	-500
MMBTA94	-400	-300
MSB709	-45	-100
S9012LT1	-25	-500
S9015LT1	-45	-100
SS8550LT1	-25	-1500
SOT-223		
Part No.	VCEO	IC(mA)
KL157	-60	-3000
KL159	-60	-5000
KL2907A	-60	-600
KL359	-100	-5000
KL5401	-150	-600
KL772	-30	-3000
KLBCP69	-20	-1000
KLBCX53	-80	-1000
SOT-323		
Part No.	VCEO	IC(mA)
BC856AW	-65	-100
BC856BW	-65	-100
BC857AW	-45	-100
BC857BW	-45	-100
BC858AW	-30	-100
BC858BW	-30	-100
BC858CW	-30	-100
MMBT2907AW	-60	-600
MMBT3906W	-40	-200
SOT-523		
Part No.	VCEO	IC(mA)
MMBT2907AT	-60	-600
MMBT3906T	-40	-200
2SA1832	-50	-150
2SA2018	-12	-500
2SA1774	-50	-150



TRANSISTORS

PNP SMALL SIGNAL TRANSISTORS			
SOT-723			
Part No.	VCEO	IC(mA)	
2SA2030	-12	-500	
SC-59			
Part No.	VCEO	IC(mA)	
2SB624	-30	-700	
2SB1197K	-32	-800	
SC-89			
Part No.	VCEO	IC(mA)	
2SA1774	-50	-150	
SOT-89			
Part No.	VCEO	IC(mA)	
KM1188	-32	-2000	
KM1213	-50	-2000	
KM1386	-20	-5000	
KM2907A	-60	-600	
KM5401	-150	-600	
KM772	-30	-3000	
KMBCX53	-80	-1000	
TO-252			
Part No.	VCEO	IC(A)	
KJ1386	-20	-5	
KJ1952	-60	-5	
KJ772	-30	-3	
PNP DIGITAL TRANSISTORS			
SOT-89			
Part No.	VCEO	IC(mA)	
DTA114EE (R1:10KΩ R2:10KΩ)	-50	-100	
DTA124EE (R1:22KΩ R2:22KΩ)	-50	-100	
DTA144EE (R1:47KΩ R2:47KΩ)	-50	-100	
DTA114YE (R1:10KΩ R2:47KΩ)	-50	-100	
DTA114TE (R1:10KΩ R2:∞)	-50	-100	
DTA143TE (R1:4.7KΩ R2:∞)	-50	-100	
DTA123EE (R1:2.2KΩ R2:2.2KΩ)	-50	-100	
DTA143EE (R1:4.7KΩ R2:4.7KΩ)	-50	-100	
DTA143ZE (R1:4.7KΩ R2:47KΩ)	-50	-100	
DTA124XE (R1:22KΩ R2:47KΩ)	-50	-100	
DTA123JE (R1:2.2KΩ R2:47KΩ)	-50	-100	
DTA115EE (R1:100KΩ R2:100KΩ)	-50	-100	
DTA144WE (R1:47KΩ R2:47KΩ)	-50	-100	
PNP / PNP SMALL SIGNAL TRANSISTORS			
SOT-363			
Part No.	VCEO	IC(mA)	
BC857BDW	45	100	
BC858BDW	30	100	

PNP DIGITAL TRANSISTORS			
SOT-23			
Part No.	VCEO	IC(mA)	
MMUN2111 (R1:10KΩ R2:10KΩ)	-50	-100	
MMUN2112 (R1:22KΩ R2:22KΩ)	-50	-100	
MMUN2113 (R1:47KΩ R2:47KΩ)	-50	-100	
MMUN2114 (R1:10KΩ R2:47KΩ)	-50	-100	
MMUN2115 (R1:10KΩ R2:∞)	-50	-100	
MMUN2116 (R1:4.7KΩ R2:∞)	-50	-100	
MMUN2130 (R1:1.0KΩ R2:1.0KΩ)	-50	-100	
MMUN2131 (R1:2.2KΩ R2:2.2KΩ)	-50	-100	
MMUN2132 (R1:4.7KΩ R2:4.7KΩ)	-50	-100	
MMUN2133 (R1:4.7KΩ R2:47KΩ)	-50	-100	
MMUN2134 (R1:22KΩ R2:47KΩ)	-50	-100	
SOT-323			
Part No.	VCEO	IC(mA)	
MUN5111 (R1:10KΩ R2:10KΩ)	-50	-100	
MUN5112 (R1:22KΩ R2:22KΩ)	-50	-100	
MUN5113 (R1:47KΩ R2:47KΩ)	-50	-100	
MUN5114 (R1:10KΩ R2:47KΩ)	-50	-100	
MUN5115 (R1:10KΩ R2:∞)	-50	-100	
MUN5116 (R1:4.7KΩ R2:∞)	-50	-100	
MUN5130 (R1:1.0KΩ R2:1.0KΩ)	-50	-100	
MUN5131 (R1:2.2KΩ R2:2.2KΩ)	-50	-100	
MUN5132 (R1:4.7KΩ R2:4.7KΩ)	-50	-100	
MUN5133 (R1:4.7KΩ R2:47KΩ)	-50	-100	
MUN5134 (R1:22KΩ R2:47KΩ)	-50	-100	
MUN5135 (R1:2.2KΩ R2:47KΩ)	-50	-100	
MUN5136 (R1:100KΩ R2:100KΩ)	-50	-100	
MUN5137 (R1:47KΩ R2:22KΩ)	-50	-100	
SOT-723			
Part No.	VCEO	IC(mA)	
DTA114EM (R1:10KΩ R2:10KΩ)	-50	-100	
DTA124EM (R1:22KΩ R2:22KΩ)	-50	-100	
DTA144EM (R1:47KΩ R2:47KΩ)	-50	-100	
DTA114YM (R1:10KΩ R2:47KΩ)	-50	-100	
DTA114TM (R1:10KΩ R2:∞)	-50	-100	
DTA143TM (R1:4.7KΩ R2:∞)	-50	-100	
DTA123EM (R1:2.2KΩ R2:2.2KΩ)	-50	-100	
DTA143EM (R1:4.7KΩ R2:4.7KΩ)	-50	-100	
DTA143ZM (R1:4.7KΩ R2:47KΩ)	-50	-100	
DTA124XM (R1:22KΩ R2:47KΩ)	-50	-100	
DTA123JM (R1:2.2KΩ R2:47KΩ)	-50	-100	
DTA115EM (R1:100KΩ R2:100KΩ)	-50	-100	
DTA144WM (R1:47KΩ R2:22KΩ)	-50	-100	
NPN / PNP SMALL SIGNAL TRANSISTORS			
SOT-363			
Part No.	VCEO	IC(mA)	
MBT3946DW	40	200	
W4601DW	50	150	
BC846BPDW	65	100	
BC847BPDW	45	100	
BC848BPDW	30	100	
MMDT2227DW	40/60	600	
NPN / NPN SMALL SIGNAL TRANSISTORS			
SOT-363			
Part No.	VCEO	IC(mA)	
MBT3904DW	40	200	
MBT2222ADW	40	600	
BC846BDW	65	100	
BC847BDW	45	100	
BC848BDW	30	100	
W4501DW	50	150	
BC847S	45	200	
PNP / PNP SMALL SIGNAL TRANSISTORS			
SOT-363			
Part No.	VCEO	IC(mA)	
MBT3906DW	40	200	
MBT2907ADW	60	600	
W4401DW	50	150	
BC856BDW	65	100	