

Specifications List by Part Number

Part Number	Applications	Absolute Maximum Ratings									
		V _{CB0}	V _{CE0}	I _c	P _c	I _{CB0}		h _{FE}		Conditions	
		(V)	(V)	(A)	(W)	(μA)	V _{CB} (V)	min	max	V _{CE} (V)	I _c (A)
2SA1186	Audio, general-purpose	-150	-150	-10	100	-100	-150	50	180	-4	-3
2SA1215	Audio, general-purpose	-160	-160	-15	150	-100	-160	50	180	-4	-5
2SA1216	Audio, general-purpose	-180	-180	-17	200	-100	-180	30	180	-4	-8
2SA1262	Audio, general-purpose	-60	-60	-4	30	-100	-60	40		-4	-1
2SA1294	Audio, general-purpose	-230	-230	-15	130	-100	-230	50	140	-4	-5
2SA1295	Audio, general-purpose	-230	-230	-17	200	-100	-230	50	140	-4	-5
2SA1303	Audio, general-purpose	-150	-150	-14	125	-100	-150	50	180	-4	-5
2SA1386	Audio, general-purpose	-160	-160	-15	130	-100	-160	50	180	-4	-5
2SA1386A	Audio, general-purpose	-180	-180	-15	130	-100	-180	50	180	-4	-5
2SA1488	Audio, general-purpose	-60	-60	-4	25	-100	-60	40		-4	-1
2SA1488A	Audio, general-purpose	-80	-80	-4	25	-100	-80	40		-4	-1
2SA1492	Audio, general-purpose	-180	-180	-15	130	-100	-180	50	180	-4	-3
2SA1493	Audio, general-purpose	-200	-200	-15	150	-100	-200	50	180	-4	-5
2SA1494	Audio, general-purpose	-200	-200	-17	200	-100	-200	50	180	-4	-8
2SA1567	DC motor driver, chopper regulator, general-purpose	-50	-50	-12	35	-100	-50	50		-1	-6
2SA1568	DC motor driver, chopper regulator, general-purpose	-60	-60	±12	35	-100	-60	50		-1	-6
2SA1667	TV vertical output, audio output driver, general-purpose	-150	-150	-2	25	-10	-150	60		-10	-0.7
2SA1668	TV vertical output, audio output driver, general-purpose	-200	-200	-2	25	-10	-200	60		-10	-0.7
2SA1673	Audio, general-purpose	-180	-180	-15	85	-10	-180	50	180	-4	-3
2SA1693	Audio, general-purpose	-80	-80	-6	60	-10	-80	50	180	-4	-2
2SA1694	Audio, general-purpose	-120	-120	-8	80	-10	-120	50	180	-4	-3
2SA1695	Audio, general-purpose	-140	-140	-10	100	-10	-140	50	180	-4	-3
2SA1725	Audio, general-purpose	-80	-80	-6	30	-10	-80	50	180	-4	-2
2SA1746	Chopper regulator, switch, general-purpose	-70	-50	-12 (Pulse -20)	60	-10	-70	50		-1	-5
2SA1859	Audio output driver, TV velocity modulation	-150	-150	-2	20	-10	-150	60	240	-10	-0.7
2SA1859A	Audio output driver, TV velocity modulation	-180	-180	-2	20	-10	-180	60	240	-10	-0.7
2SA1860	Audio, general-purpose	-150	-150	-14	80	-100	-150	50	180	-4	-5
2SA1907	Audio, general-purpose	-80	-80	-6	60	-10	-80	50	180	-4	-2
2SA1908	Audio, general-purpose	-120	-120	-8	75	-10	-120	50	180	-4	-3
2SA1909	Audio, general-purpose	-140	-140	-10	80	-10	-140	50	180	-4	-3
2SA2151	Audio, general-purpose	-200	-200	-15	160	-10	-200	50	180	-4	-3
2SA2151A	Audio, general-purpose	-230	-230	-15	160	-10	-230	50	180	-4	-3
2SB1257	Solenoid/relay/motor driver, general-purpose	-60	-60	-4 (Pulse -6)	25	-10	-60	2000		-4	-3
2SB1258	Solenoid/relay/motor driver, general-purpose	-100	-100	-6 (Pulse -10)	30	-10	-100	1000		-2	-3
2SB1259	Solenoid/relay/motor driver, general-purpose	-120	-120	-10 (Pulse -15)	30	-10	-120	2000		-4	-5
2SB1351	Printer head/solenoid/relay/motor driver, general-purpose	-60	-60	-12 (Pulse -20)	30	-10	-60	2000		-4	-10
2SB1382	Chopper regulator, DC motor driver, general-purpose	-120	-120	-16 (Pulse -26)	75	-10	-120	2000		-4	-8
2SB1383	Chopper regulator, DC motor driver, general-purpose	-120	-120	-25 (Pulse -40)	120	-10	-120	2000		-4	-12
2SB1420	Chopper regulator, DC motor driver, general-purpose	-120	-120	-16 (Pulse -26)	80	-10	-120	2000		-4	-8
2SB1559	Audio, series regulator, general-purpose	-160	-150	-8	80	-100	-160	5000	30000	-4	-6
2SB1560	Audio, series regulator, general-purpose	-160	-150	-10	100	-100	-160	5000	30000	-4	-7
2SB1570	Audio, series regulator, general-purpose	-160	-150	-12	150	-100	-160	5000	30000	-4	-7
2SB1587	Audio, series regulator, general-purpose	-160	-150	-8	75	-100	-160	5000	30000	-4	-6
2SB1588	Audio, series regulator, general-purpose	-160	-150	-10	80	-100	-160	5000	30000	-4	-7
2SB1647	Audio, series regulator, general-purpose	-150	-150	-15	130	-100	-150	5000	30000	-4	-10
2SB1648	Audio, series regulator, general-purpose	-150	-150	-17	200	-100	-150	5000	30000	-4	-10
2SB1649	Audio, series regulator, general-purpose	-150	-150	-15	85	-100	-150	5000	30000	-4	-10
2SB1685	Audio, series regulator, general-purpose	-110	-110	-6	60	-100	-110	5000	30000	-4	-5
2SB1686	Audio, series regulator, general-purpose	-110	-110	-6	30	-100	-110	5000	30000	-4	-5
2SB1687	Audio, series regulator, general-purpose	-110	-110	-6	60	-100	-110	5000	30000	-4	-5

Electrical Characteristics												Complementary	Package	Mass	
	VCE (sat)	VBE (sat)	Conditions		fT	Conditions		Switching Time			Cob				
	ton	tstg						tr							
	(V)	(V)	IC	IB		MHz	VCE	IE	(μS)	(μS)					
	max	max	(A)	(A)		(V)	(A)								
	-2.0		-5	-0.5	60	-12	1	0.25typ	0.8typ	0.2typ	110typ	2SC2837	TO-3P (MT-100)	6.0	
	-2.0		-5	-0.5	50	-12	2	0.25typ	0.85typ	0.2typ	400typ	2SC2921	MT-200	18.4	
	-2.0		-8	-0.8	40	-12	2	0.3typ	0.7typ	0.2typ	500typ	2SC2922	MT-200	18.4	
	-0.6		-2	-0.2	15	-12	0.2	0.25typ	0.75typ	0.25typ	90typ	2SC3179	TO-220 (MT-25)	2.6	
	-2.0		-5	-0.5	35	-12	2	0.35typ	1.5typ	0.3typ	500typ	2SC3263	TO-3P (MT-100)	6.0	
	-2.0		-5	-0.5	35	-12	2	0.35typ	1.5typ	0.3typ	500typ	2SC3264	MT-200	18.4	
	-2.0		-5	-0.5	50	-12	2	0.25typ	0.85typ	0.2typ	400typ	2SC3284	TO-3P (MT-100)	6.0	
	-2.0		-5	-0.5	40	-12	2	0.3typ	0.7typ	0.2typ	500typ	2SC3519	TO-3P (MT-100)	6.0	
	-2.0		-5	-0.5	40	-12	2	0.3typ	0.7typ	0.2typ	500typ	2SC3519A	TO-3P (MT-100)	6.0	
	-0.5		-2	-0.2	15	-12	0.2	0.25typ	0.75typ	0.25typ	90typ	2SC3851	TO-220F (FM20)	2.0	
	-0.5		-2	-0.2	15	-12	0.2	0.25typ	0.75typ	0.25typ	90typ	2SC3851A	TO-220F (FM20)	2.0	
	-2.0		-5	-0.5	20	-12	0.5	0.6typ	0.9typ	0.2typ	500typ	2SC3856	TO-3P (MT-100)	6.0	
	-3.0		-10	-1	20	-12	0.5	0.3typ	0.9typ	0.2typ	400typ	2SC3857	MT-200	18.4	
	-2.5		-10	-1	20	-12	1	0.6typ	0.9typ	0.2typ	500typ	2SC3858	MT-200	18.4	
	-0.35		-6	-0.3	40	-12	0.5	0.4typ	0.4typ	0.2typ	330typ	2SC4064	TO-220F (FM20)	2.0	
	-0.35		-6	-0.3	40	-12	0.5	0.4typ	0.4typ	0.2typ	330typ		TO-220F (FM20)	2.0	
	-1.0		-0.7	-0.07	20	-12	0.2	0.4typ	1.5typ	0.5typ	60typ	2SC4381	TO-220F (FM20)	2.0	
	-1.0		-0.7	-0.07	20	-12	0.2	0.4typ	1.5typ	0.5typ	60typ	2SC4382	TO-220F (FM20)	2.0	
	-2.0		-5	-0.5	20	-12	0.5	0.6typ	0.9typ	0.2typ	500typ	2SC4388	TO-3PF (FM100)	6.5	
	-1.5		-2	-0.2	20	-12	0.5	0.18typ	1.1typ	0.21typ	150typ	2SC4466	TO-3P (MT-100)	6.0	
	-1.5		-3	-0.3	20	-12	0.5	0.14typ	1.4typ	0.21typ	300typ	2SC4467	TO-3P (MT-100)	6.0	
	-0.5		-5	-0.5	20	-12	0.5	0.17typ	1.86typ	0.27typ	400typ	2SC4468	TO-3P (MT-100)	6.0	
	-0.5		-2	-0.2	20	-12	0.5	0.18typ	1.1typ	0.21typ	150typ	2SC4511	TO-220F (FM20)	2.0	
	-0.5	-1.2	-5	-0.08	25	-12	1	0.5typ	0.6typ	0.3typ	400typ		TO-3PF (FM100)	6.5	
	-1.0		-0.7	-0.07	60	-12	0.7	0.5typ	1typ	0.5typ	30typ	2SC4883	TO-220F (FM20)	2.0	
	-1.0		-0.7	-0.07	60	-12	0.7	0.5typ	1typ	0.5typ	30typ	2SC4883A	TO-220F (FM20)	2.0	
	-2.0		-5	-0.5	50	-12	2	0.25typ	0.85typ	0.2typ	400typ	2SC4886	TO-3PF (FM100)	6.5	
	-0.5		-12	-0.2	20	-12	0.5	0.18typ	1.1typ	0.21typ	150typ	2SC5099	TO-3PF (FM100)	6.5	
	-0.5		-3	-0.3	20	-12	0.5	0.14typ	1.4typ	0.21typ	300typ	2SC5100	TO-3PF (FM100)	6.5	
	-0.5		-5	-0.5	20	-12	0.5	0.17typ	1.86typ	0.27typ	400typ	2SC5101	TO-3PF (FM100)	6.5	
	-0.5		-5	-0.5	20	-12	-0.5	-	-	-	450typ	2SC6011	TO-3P (MT-100)	6.0	
	-0.5		-5	-0.5	20	-12	-0.5	-	-	-	450typ	2SC6011A	TO-3P (MT-100)	6.0	
	-1.5	-2.0	-3	-0.006	200	-12	0.2	0.4typ	0.8typ	0.6typ	75typ	2SD2014	TO-220F (FM20)	2.0	
	-1.5	-2.0	-3	-0.006	100	-12	0.2	0.6typ	1.6typ	0.5typ	100typ	2SD1785	TO-220F (FM20)	2.0	
	-1.5	-2.0	-5	-0.01	100	-12	0.2	0.6typ	1.6typ	0.5typ	145typ	2SD2081	TO-220F (FM20)	2.0	
	-1.5	-2.0	-10	-0.02	130	-12	1	0.7typ	1.5typ	0.6typ	170typ		TO-220F (FM20)	2.0	
	-1.5	-2.5	-8	-0.016	50	-12	1	0.8typ	1.8typ	1typ	350typ	2SD2082	TO-3PF (FM100)	6.5	
	-1.8	-2.5	-12	-0.024	50	-12	1	1typ	3typ	1typ	230typ	2SD2083	TO-3P (MT-100)	6.0	
	-1.5	-2.5	-8	-0.016	50	-12	1	1typ	3typ	1typ	350typ		TO-3P (MT-100)	6.0	
	-2.5	-3.0	-6	-0.006	65	-12	1	0.7typ	3.6typ	0.9typ	160typ	2SD2389	TO-3P (MT-100)	6.0	
	-2.5	-3.0	-7	-0.007	50	-12	2	0.8typ	3typ	1.2typ	230typ	2SD2390	TO-3P (MT-100)	6.0	
	-2.5	-3.0	-7	-0.007	50	-12	2	0.8typ	3typ	1.2typ	230typ	2SD2401	MT-200	18.4	
	-2.5	-3.0	-6	-0.006	65	-12	1	0.7typ	3.6typ	0.9typ	160typ	2SD2438	TO-3PF (FM100)	6.5	
	-2.5	-3.0	-7	-0.007	50	-12	2	0.8typ	3typ	1.2typ	230typ	2SD2439	TO-3PF (FM100)	6.5	
	-2.5	-3.0	-10	-0.01	45	-12	2	0.7typ	1.6typ	1.1typ	320typ	2SD2560	TO-3P (MT-100)	6.0	
	-2.5	-3.0	-10	-0.01	45	-12	2	0.7typ	1.6typ	1.1typ	320typ	2SD2561	MT-200	18.4	
	-2.5	-3.0	-10	-0.01	45	-12	2	0.7typ	1.6typ	1.1typ	320typ	2SD2562	TO-3PF (FM100)	6.5	
	-2.5	-3.0	-5	-0.005	100	-12	0.5	1.1typ	3.2typ	1.1typ	110typ	2SD2641	TO-3P (MT-100)	6.0	
	-2.5	-3.0	-5	-0.005	100	-12	0.5	1.1typ	3.2typ	1.1typ	110typ	2SD2642	TO-220F (FM20)	2.0	
	-2.5	-3.0	-5	-0.005	100	-12	0.5	1.1typ	3.2typ	1.1typ	110typ	2SD2643	TO-3PF (FM100)	6.5	

