

Part Number	Applications	Absolute Maximum Ratings						hFE					
		V <sub>CB0</sub>	V <sub>CEO</sub>	I <sub>c</sub>	P <sub>c</sub>	I <sub>CB0</sub>	Conditions		Conditions		Conditions		
		(V)	(V)	(A)	(W)	( $\mu$ A)	V <sub>CB</sub>	min	max	V <sub>CE</sub>	I <sub>c</sub>	V <sub>CE</sub>	I <sub>c</sub>
		(V)	(V)	(A)	(W)	( $\mu$ A)	(V)			(V)	(A)		
2SC4546	Switching regulator, lighting inverter, general-purpose	600	400	7 (Pulse 14)	30	100	600	10	25	4	3		
2SC4557	Switching regulator, general-purpose	900	550	10 (Pulse 20)	80	100	800	10	28	4	5		
2SC4706	Switching regulator, general-purpose	900	600	14 (Pulse 28)	130	100	800	10	25	4	7		
2SC4883	Audio output driver, TV velocity modulation	150	150	2	20	10	150	60	240	10	0.7		
2SC4883A	Audio output driver, TV velocity modulation	180	180	2	20	10	180	60	240	10	0.7		
2SC4886	Audio, general-purpose	150	150	14	80	100	150	50	180	4	5		
2SC5071	Switching regulator, general-purpose	500	400	12 (Pulse 24)	100	100	500	10	30	4	7		
2SC5099	Audio, general-purpose	120	80	6	60	10	120	50	180	4	2		
2SC5100	Audio, general-purpose	160	120	8	75	10	160	50	180	4	3		
2SC5101	Audio, general-purpose	200	140	10	80	10	200	50	180	4	3		
2SC5130	Switching regulator, general-purpose	600	400	5 (Pulse 10)	30	100	500	10	30	4	1.5		
2SC5287	Switching regulator, general-purpose	900	550	5 (Pulse 10)	80	100	800	10	25	4	1.8		
2SC5333	Series regulator, switch, general-purpose	300	300	2	35	1	300	30		4	0.5		
2SC5586	Switching regulator, general-purpose	900	550	5 (Pulse 10)	70	100	800	10	25	4	1.8		
2SC5830	Switching regulator, lighting inverter, general-purpose	1000	450	8 (Pulse 16)	35	1000	1000	10	30	5	4		
2SC5924	Switching regulator, general-purpose	900	600	14 (Pulse 28)	90	100	800	10	25	4	7		
2SC6011	Audio, general-purpose	200	200	15	160	10	200	50	180	4	3		
2SC6011A	Audio, general-purpose	230	230	15	160	10	230	50	180	4	3		
2SD1769	Solenoid/relay/motor driver/series regulator, general-purpose	120	120	6 (Pulse 10)	50	10	120	2000		2	3		
2SD1785	Solenoid/relay/motor driver/series regulator, general-purpose	120	120	6 (Pulse 10)	30	10	120	2000		2	3		
2SD1796	Solenoid/relay/motor driver, general-purpose	60 $\pm$ 10	60 $\pm$ 10	4	25	10	50	2000		4	3		
2SD2014	Solenoid/relay/motor driver/series regulator, general-purpose	120	80	4	25	10	120	2000		2	3		
2SD2015	Solenoid/relay/motor driver, general-purpose	150	120	4	25	10	150	2000		2	2		
2SD2016	Igniter, relay, general-purpose	200	200	3	25	10	200	1000	15000	4	1		
2SD2017	Solenoid/relay/motor driver, general-purpose	300	250	6	35	100	300	2000		2	2		
2SD2045	Solenoid/motor driver, general-purpose	120	120	6 (Pulse 10)	50	10	120	2000		2	3		
2SD2081	Solenoid/motor driver, general-purpose	120	120	10 (Pulse 15)	30	10	120	2000		4	5		
2SD2082	Solenoid/motor driver, general-purpose	120	120	16 (Pulse 26)	75	10	120	2000		4	8		
2SD2083	Solenoid/motor driver, general-purpose	120	120	25 (Pulse 40)	120	10	120	2000		4	12		
2SD2141	Igniter, solenoid, motor driver, general-purpose	380 $\pm$ 50	380 $\pm$ 50	6 (Pulse 10)	35	10	330	1500		2	3		
2SD2389	Audio, series regulator, general-purpose	160	150	8	80	100	160	5000	30000	4	6		
2SD2390	Audio, series regulator, general-purpose	160	150	10	100	100	160	5000	30000	4	7		
2SD2401	Audio, series regulator, general-purpose	160	150	12	150	100	160	5000	30000	4	7		
2SD2438	Audio, series regulator, general-purpose	160	150	8	75	100	160	5000	30000	4	6		
2SD2439	Audio, series regulator, general-purpose	160	150	10	80	100	160	5000	30000	4	7		
2SD2557	Series regulator, general-purpose	200	200	5	70	100	200	1500	6500	5	1		
2SD2558	Series regulator, general-purpose	200	200	5	60	100	200	1500	6500	5	1		
2SD2560	Audio, series regulator, general-purpose	150	150	15	130	100	150	5000	30000	4	10		
2SD2561	Audio, series regulator, general-purpose	150	150	17	200	100	150	5000	30000	4	10		
2SD2562	Audio, series regulator, general-purpose	150	150	15	85	100	150	5000	30000	4	10		
2SD2641	Audio, series regulator, general-purpose	110	110	6	60	100	110	5000	30000	4	5		
2SD2642	Audio, series regulator, general-purpose	110	110	6	30	100	110	5000	30000	4	5		
2SD2643	Audio, series regulator, general-purpose	110	110	6	60	100	110	5000	30000	4	5		
STD03N	Audio	160	160	15	160	100	160	5000	20000	4	10		
STD03P	Audio	-160	-160	-15	160	-100	-160	5000	20000	-4	-10		

Electrical Characteristics												Complementary	Package
V <sub>CE</sub> (sat)	V <sub>BE</sub> (sat)	Conditions		f <sub>T</sub>	Switching Time			C <sub>ob</sub>					
(V)	(V)	I <sub>c</sub>	I <sub>b</sub>		MHz	V <sub>CE</sub>	I <sub>E</sub>		t <sub>on</sub>	t <sub>stg</sub>	t <sub>f</sub>		
max	max	(A)	(A)		(V)	(A)	(μS)	(μS)	(μS)	(pF)			
0.7	1.3	3	0.6	10	12	-0.5	0.5max	2max	0.15max	55		TO-220F (FM20)	
0.5	1.2	5	1	6	12	-1	1max	5max	0.5max	105		TO-3PF (FM100)	
0.5	1.2	7	1.4	6	12	-1.5	1max	5max	0.7max	160		TO-3P (MT-100)	
1.0		0.7	0.07	120	12	-0.7	0.5typ	1.5typ	0.5typ	30	2SA1859	TO-220F (FM20)	
1.0		0.7	0.07	120	12	-0.7	0.5typ	1.5typ	0.5typ	30	2SA1859A	TO-220F (FM20)	
2.0		5	0.5	60	12	-2	0.26typ	1.5typ	0.35typ	200	2SA1860	TO-3PF (FM100)	
0.5	1.3	7	1.4	10	12	-1	1max	3max	0.5max	105		TO-3P (MT-100)	
0.5		2	0.2	20	12	-0.5	0.16typ	2.6typ	0.34typ	110	2SA1907	TO-3PF (FM100)	
0.5		3	0.3	20	12	-0.5	0.13typ	3.5typ	0.32typ	200	2SA1908	TO-3PF (FM100)	
0.5		5	0.5	20	12	-0.5	0.24typ	4.32typ	0.4typ	250	2SA1909	TO-3PF (FM100)	
0.5	1.3	1.5	0.3	20	12	-0.3	1max	2max	0.3max	30		TO-220F (FM20)	
0.5	1.2	1.8	0.36	6	12	-0.35	0.7max	4max	0.5max	50		TO-3P (MT-100)	
1.0		1	0.2	10	12	-0.2	0.3typ	4typ	1typ	75		TO-220F (FM20)	
0.5	1.2	1.8	0.36	6	12	-0.35	0.7max	4max	0.5max	50		TO-3PF (FM100)	
0.5	1.2	4	0.8	4	12	-0.25	1max	4max	0.4max	95		TO-220F (FM20)	
0.5	1.2	7	1.4	6	12	-1.5	1max	5max	0.7max	160		TO-3PF (FM100)	
0.5		5	0.5	20	12	-0.5	-	-	-	270	2SA2151	TO-3P (MT-100)	
0.5		5	0.5	20	12	-0.5	-	-	-	270	2SA2151A	TO-3P (MT-100)	
1.5	2.0	3	3mA	100	12	-0.2	0.5typ	5.5typ	1.5typ			TO-220 (MT-25)	
1.5		2	3mA	100	12	-0.1	0.5typ	5.5typ	1.5typ	70	2SB1258	TO-220F (FM20)	
1.5		3	10mA	60	12	-0.2	1typ	4typ	1.5typ	45		TO-220F (FM20)	
1.5	2.0	3	3mA	75	12	-0.1	1typ	4typ	1.5typ	45	2SB1257	TO-220F (FM20)	
1.5	2.0	2	2mA	40	12	-0.1	0.6typ	5typ	2typ	40		TO-220F (FM20)	
1.5	2.0	1	1.5mA	90	12	-0.1				40		TO-220F (FM20)	
1.5	2.0	2	2mA	20	12	-1	0.6typ	16typ	3typ	65		TO-220F (FM20)	
1.5	2.0	3	3mA	50	12	-1	0.5typ	5.5typ	1.5typ	70		TO-3PF (FM100)	
1.5	2.0	5	5mA	60	12	-0.5				95	2SB1259	TO-220F (FM20)	
1.5	2.5	8	16mA	20	12	-1	0.6typ	7typ	1.5typ	210	2SB1382	TO-3PF (FM100)	
1.8	2.5	12	24mA	20	12	-1	1typ	6typ	1typ	340	2SB1383	TO-3P (MT-100)	
1.5		4	20mA	20	12	-0.5				95		TO-220F (FM20)	
2.5	3.0	6	6mA	80	12	-1	0.6typ	10typ	0.9typ	85	2SB1559	TO-3P (MT-100)	
2.5	3.0	7	7mA	55	12	-2	0.5typ	10typ	1.1typ	95	2SB1560	TO-3P (MT-100)	
2.5	3.0	7	7mA	55	12	-2	0.5typ	10typ	1.1typ	95	2SB1570	MT-200	
2.5	3.0	6	6mA	80	12	-1	0.6typ	10typ	0.9typ	85	2SB1587	TO-3PF (FM100)	
2.5	3.0	7	7mA	55	12	-2	0.5typ	10typ	1.1typ	95	2SB1588	TO-3PF (FM100)	
1.5		1	5mA	15	10	-0.5				110		TO-3P (MT-100)	
1.5		1	5mA	15	10	-0.5				110		TO-3PF (FM100)	
2.5	3.0	10	10mA	70	12	-2	0.8typ	4typ	1.2typ	120	2SB1647	TO-3P (MT-100)	
2.5	3.0	10	10mA	70	12	-2	0.8typ	4typ	1.2typ	120	2SB1648	MT-200	
2.5	3.0	10	10mA	70	12	-2	0.8typ	4typ	1.2typ	120	2SB1649	TO-3PF (FM100)	
2.5	3.0	5	5mA	60	12	-2	0.8typ	6.2typ	1.1typ	55	2SB1624	TO-3P (MT-100)	
2.5	3.0	5	5mA	60	12	-0.5	0.8typ	6.2typ	1.1typ	55	2SB1626	TO-220F (FM20)	
2.5	3.0	5	5mA	60	12	-0.5	0.8typ	6.2typ	1.1typ	55	2SB1625	TO-3PF (FM100)	
2.0	2.5	10	10mA								STD03P	TO-3P-5pin	
-2.0	-2.5	-10	-10mA								STD03N	TO-3P-5pin	