

Device	Package type	Applications	Absolute maximum ratings					Electrical characteristics (T _a = 25 °C)									
			V _{CBO} (V)	V _{CEO} (V)	I _C (A)	P _C (W)	T _J (°C)	V _{CE(sat)} max @ I _C · I _B			hFE @ V _{CE} · I _C			f _T @ V _{CE} · I _C			
								V _{CE(sat)} max (mV)	I _C (A)	I _B (mA)	hFE	V _{CE} (V)	I _C (A)	f _T (MHz)	V _{CE} (V)	I _C (mA)	
2SB986	TO126	High-current switch	60	50	4.0	10†	150	700	2.0	100	100 to 560	2	0.1	150	10	50	
2SD1348	TO126	High-current switch	60	50	4.0	10†	150	500	2.0	100	100 to 560	2	0.1	150	10	50	
2SB1141	TO126ML	Audio power amplifier	20	18	1.2	10†	150	400	0.5	50	70 to 400	2	0.1	150	10	50	
2SD1681	TO126ML	Audio power amplifier	20	18	1.2	10†	150	300	0.5	50	70 to 400	2	0.1	150	10	50	
2SB1140	TO126ML	High-current switch	25	20	5.0	10†	150	500	3.0	60	100 to 400	2	0.5	320	5	200	
2SD1685	TO126ML	High-current switch	60	20	5.0	10†	150	500	3.0	60	120 to 560	2	0.5	120	10	50	
2SA1798	TO126ML	High-current switch	25	20	8.0	10†	150	400	5.0	250	100 to 400	2	0.5	200	2	500	
2SC4675	TO126ML	High-current switch	30	20	8.0	10†	150	400	5.0	250	100 to 400	2	0.5	250	2	500	
2SB1143	TO126ML	High-current switch	60	50	4.0	10†	150	700	2.0	100	100 to 560	2	0.1	150	10	50	
2SD1683	TO126ML	High-current switch	60	50	4.0	10†	150	500	2.0	100	100 to 560	2	0.1	150	10	50	
2SB1142	TO126ML	High-current switch	60	50	2.5	10†	150	500	1.0	50	100 to 400	2	0.1	140	10	50	
2SD1682	TO126ML	High-current switch	60	50	2.5	10†	150	300	1.0	50	100 to 560	2	0.1	140	10	50	
2SB1144	TO126ML	Audio power amplifier, medium-speed switch	120	100	1.5	10†	150	500	0.5	50	100 to 400	5	0.1	100	10	50	
2SD1684	TO126ML	Audio power amplifier, medium-speed switch	120	100	1.5	10†	150	300	0.5	50	100 to 400	5	0.1	120	10	50	
2SD1722	TO126LP	High-current switch	60	50	5.0	20†	150	400	3.0	150	70 to 400	2	0.5	180	5	1000	
2SB1165	TO126LP	High-current switch	60	50	5.0	20†	150	550	3.0	150	70 to 400	2	0.5	130	5	1000	
2SB1166	TO126LP	High-current switch	60	50	8.0	20†	150	500	4.0	200	70 to 400	2	0.5	130	5	1000	
2SD1723	TO126LP	High-current switch	60	50	8.0	20†	150	400	4.0	200	70 to 400	2	0.5	180	5	1000	
2SB1167	TO126LP	High-current switch	120	100	3.0	20†	150	500	1.5	150	70 to 400	5	0.5	130	10	500	
2SD1724	TO126LP	High-current switch	120	100	3.0	20†	150	400	1.5	150	70 to 400	5	0.5	180	10	500	
2SB1168	TO126LP	High-current switch	120	100	4.0	20†	150	500	2.0	200	70 to 400	5	0.5	130	10	500	
2SD1725	TO126LP	High-current switch	120	100	4.0	20†	150	400	2.0	200	70 to 400	5	0.5	180	10	500	
2SB1449	SMP	High-current switch	60	50	5.0	30	150	400	3.0	300	70 to 280	2	1.0	30	5	1000	
2SD2198	SMP	High-current switch	60	50	5.0	30	150	400	3.0	300	70 to 280	2	1.0	30	5	1000	
2SB1450	SMP	High-current switch	60	50	7.0	40	150	400	4.0	400	70 to 280	2	1.0	10	5	1000	
2SD2199	SMP	High-current switch	60	50	7.0	40	150	400	4.0	400	70 to 280	2	1.0	10	5	1000	
2SB1451	SMP	High-current switch	90	80	5.0	30	150	500	3.0	300	70 to 280	2	1.0	20	5	1000	
2SD2200	SMP	High-current switch	90	80	5.0	30	150	400	3.0	300	70 to 280	2	1.0	20	5	1000	
2SB1452	SMP	High-current switch	90	80	7.0	40	150	500	4.0	400	70 to 280	2	1.0	20	5	1000	
2SD2201	SMP	High-current switch	90	80	7.0	40	150	400	4.0	400	70 to 280	2	1.0	20	5	1000	
2SB1267	TO220MF	High-current switch	60	30	8.0	30†	150	500	3.0	150	70 to 280	2	1.0	120	5	1000	
2SD1903	TO220MF	High-current switch	60	30	8.0	30†	150	400	3.0	150	70 to 280	2	1.0	120	5	1000	
2SB1268	TO220MF	High-current switch	60	50	5.0	30†	150	400	3.0	300	70 to 280	2	1.0	30	5	1000	
2SD1904	TO220MF	High-current switch	60	50	5.0	30†	150	400	3.0	300	70 to 280	2	1.0	30	5	1000	
2SB1269	TO220MF	High-current switch	60	50	7.0	40†	150	400	4.0	400	70 to 280	2	1.0	10	5	1000	
2SD1905	TO220MF	High-current switch	60	50	7.0	40†	150	400	4.0	400	70 to 280	2	1.0	10	5	1000	
2SB1266	TO220MF	Audio power amplifier	60	60	3.0	30†	150	400	2.0	200	70 to 280	5	0.5	8	5	500	
2SD1902	TO220MF	Audio power amplifier	60	60	3.0	30†	150	400	2.0	200	70 to 280	5	0.5	40	5	500	
2SB1270	TO220MF	High-current switch	90	80	5.0	30†	150	500	3.0	300	70 to 280	2	1.0	20	5	1000	
2SD1906	TO220MF	High-current switch	90	80	5.0	30†	150	400	3.0	300	70 to 280	2	1.0	20	5	1000	
2SB1271	TO220MF	High-current switch	90	80	7.0	40†	150	500	4.0	400	70 to 280	2	1.0	20	5	1000	
2SD1907	TO220MF	High-current switch	90	80	7.0	40†	150	400	4.0	400	70 to 280	2	1.0	20	5	1000	
2SB919	TO220	High-current switch	60	30	8.0	30†	150	500	3.0	150	70 to 280	2	1.0	120	5	1000	
2SD1235	TO220	High-current switch	60	30	8.0	30†	150	400	3.0	150	70 to 280	2	1.0	120	5	1000	
2SB903	TO220	High-current switch	60	30	12.0	35†	150	500	5.0	250	70 to 280	2	1.0	120	5	1000	
2SD1212	TO220	High-current switch	60	30	12.0	35†	150	400	5.0	250	70 to 280	2	1.0	120	5	1000	
2SB824	TO220	High-current switch	60	50	5.0	30†	150	400	3.0	300	70 to 280	2	1.0	30	5	1000	
2SD1060	TO220	High-current switch	60	50	5.0	30†	150	400	3.0	300	70 to 280	2	1.0	30	5	1000	
2SB825	TO220	High-current switch	60	50	7.0	40†	150	400	4.0	400	70 to 280	2	1.0	10	5	1000	
2SD1061	TO220	High-current switch	60	50	7.0	40†	150	400	4.0	400	70 to 280	2	1.0	10	5	1000	
2SB826	TO220	High-current switch	60	50	12.0	40†	150	500	6.0	300	70 to 280	2	1.0	10	5	1000	
2SD1062	TO220	High-current switch	60	50	12.0	40†	150	400	6.0	300	70 to 280	2	1.0	10	5	1000	
2SA1289	TO220	High-current switch	80	60	5.0	30†	150	400	2.5	125	70 to 280	2	1.0	100	5	1000	
2SC3253	TO220	High-current switch	80	60	5.0	30†	150	400	2.5	125	70 to 280	2	1.0	100	5	1000	
2SA1290	TO220	High-current switch	80	60	7.0	35†	150	400	3.5	175	70 to 280	2	1.0	100	5	1000	
2SC3254	TO220	High-current switch	80	60	7.0	35†	150	400	3.5	175	70 to 280	2	1.0	100	5	1000	
2SA1291	TO220	High-current switch	80	60	10.0	40†	150	400	5.0	250	70 to 280	2	1.0	100	5	1000	
2SC3255	TO220	High-current switch	80	60	10.0	40†	150	400	5.0	250	70 to 280	2	1.0	100	5	1000	
2SB920L	TO220	High-current switch	90	80	5.0	30†	150	500	3.0	300	70 to 280	2	1.0	20	5	1000	
2SD1236L	TO220	High-current switch	90	80	5.0	30†	150	400	3.0	300	70 to 280	2	1.0	20	5	1000	
2SB921L	TO220	High-current switch	90	80	7.0	40†	150	500	4.0	400	70 to 280	2	1.0	20	5	1000	
2SD1237L	TO220	High-current switch	90	80	7.0	40†	150	400	4.0	400	70 to 280	2	1.0	20	5	1000	
2SB1467	TO220ML	High-current switch	60	30	8.0	25†	150	500	3.0	150	70 to 280	2	1.0	120	5	1000	

Continued on next page