

■ 2SC type

Note: † LAPT
* Full-Mold

Type No.	Absolute Maximum Ratings (Ta=25°C)					Electrical Characteristics (Ta=25°C)			Thermal Resistance (C/W)	Package	Remarks
	Pc (W)	Vcbo (V)	Vceo (V)	Ic (A)	Tj (°C)	tRE (min)	Vce (sat) max (V)	fT (MHz)			
2SC2023	40	300	300	2	150	30	1.0	10	3.12	MT-25	
2SC2837	100	150	150	10	150	50	2.0	70	1.25	MT-100	Complementary 2SA1186 †
2SC2921	150	160	160	15	150	50	2.0	60	0.83	MT-200	Complementary 2SA1215 †
2SC2922	200	180	180	17	150	50	2.0	50	0.62	MT-200	Complementary 2SA1216 †
2SC3179	30	80	60	4	150	40	0.6	15	4.16	MT-25	Complementary 2SA1262
2SC3263	130	230	230	15	150	50	2.0	60	0.96	MT-100	Complementary 2SA1294 †
2SC3264	200	230	230	17	150	50	2.0	60	0.62	MT-200	Complementary 2SA1295 †
2SC3284	125	150	150	14	150	50	2.0	60	1.00	MT-100	Complementary 2SA1303 †
2SC3519	130	160	160	15	150	50	2.0	50	0.96	MT-100	Complementary 2SA1386 †
2SC3519A		180	180								Complementary 2SA1386A †
2SC3678	80	900	800	3(6)	150	10	0.5	6	1.56	MT-100	Switching
2SC3679	100	900	800	5(10)	150	10	0.5	6	1.25	MT-100	Switching
2SC3680	120	900	800	7(14)	150	10	0.5	6	1.04	MT-100	Switching
2SC3830	50	600	500	6(12)	150	10	0.5	8	2.5	MT-25	Switching
2SC3831	100	600	500	10(20)	150	10	0.5	8	1.25	MT-100	Switching
2SC3832	50	500	400	7(14)	150	10	0.5	10	2.5	MT-25	Switching
2SC3833	100	500	400	12(24)	150	10	0.5	10	1.25	MT-100	Switching
2SC3834	50	200	120	7(14)	150	70	0.5	30	2.5	MT-25	Switching
2SC3835	70	200	120	7(14)	150	70	0.5	30	1.78	MT-100	Switching
2SC3851	25	80	60	4	150	40	0.5	15	5.00	FM20	Complementary 2SA1488 *
2SC3851A		100	80								Complementary 2SA1488A *
2SC3852	25	80	60	3	150	500	0.5	15	5.00	FM20	High hFE *
2SC3852A		100	80								High hFE *
2SC3856	130	200	180	15	150	50	2.0	20	0.96	MT-100	Complementary 2SA1492
2SC3857	150	200	200	15	150	50	3.0	20	0.83	MT-200	Complementary 2SA1493
2SC3858	200	200	200	17	150	50	2.5	20	0.62	MT-200	Complementary 2SA1494
2SC3890	30	500	400	7(14)	150	10	0.5	10	4.16	FM20	Switching *
2SC3927	120	900	550	10(15)	150	10	0.5	6	1.04	MT-100	Switching
2SC4020	50	900	800	3	150	10	0.5	6	2.5	MT-25	Switching
2SC4024	35	100	50	10	150	300	0.5	24	3.57	FM20	High hFE *
2SC4064	35	50	50	12	150	50	0.35	40	3.57	FM20	Complementary 2SA1567 *
2SC4065	35	60	60	±12	150	50	0.35	40	3.57	FM20	Complementary 2SA1568 *
2SC4073	30	500	400	5(10)	150	10	0.5	10	4.16	FM20	Switching *
2SC4130	30	500	400	7(14)	150	10	0.5	15	4.16	FM20	Switching *
2SC4131	60	100	50	15(25)	150	60	0.5	18	2.08	FM100	Switching *
2SC4136	80	500	400	10(20)	150	10	0.5	10	1.56	MT-100	Switching
2SC4139	120	500	400	15(30)	150	10	0.5	10	1.04	MT-100	Switching
2SC4140	130	500	400	18(36)	150	10	0.5	10	0.96	MT-100	Switching
2SC4153	30	200	120	7(14)	150	70	0.5	30	4.16	FM100	Switching *
2SC4296	75	500	400	10(20)	150	10	0.5	10	1.66	FM100	Switching *
2SC4297	75	500	400	12(24)	150	10	0.5	10	1.66	FM100	Switching *
2SC4298	80	500	400	15(30)	150	10	0.5	10	1.56	FM100	Switching *
2SC4299	70	900	800	3(6)	150	10	0.5	6	1.78	FM100	Switching *
2SC4300	75	900	800	5(10)	150	10	0.5	6	1.66	FM100	Switching *
2SC4301	80	900	800	7(14)	150	10	0.5	6	1.56	FM100	Switching *

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	Pc (W)	Vceo (V)	Vcbo (V)	Ic (A)	Tj (°C)	hFE (min)	Vce(sat) max (V)	fT (MHz)			
2SC4304	35	900	800	3(6)	150	10	0.5	10	3.57	FM20	Switching *
2SC4327	25	50	35	7(12)	150	50	0.5	115	5.00	FM20	Complementary 2SA1643 *
2SC4381	25	150	150	2	150	60	1.0	15	5.00	FM20	Complementary 2SA1667 *
2SC4382		200	200								Complementary 2SA1668 *
2SC4388	85	200	180	15	150	50	2.0	20	1.47	FM100	Complementary 2SA1663 *
2SC4418	30	500	400	5(10)	150	10	0.5	20	4.16	FM20	Switching *
2SC4434	120	500	400	15(30)	150	10	0.7	10	1.04	MT-100	Switching
2SC4445	60	900	800	3(6)	150	10	0.5	15	2.08	FM100	Switching *
2SC4466	60	120	80	6	150	50	1.5	20	2.08	MT-100	Complementary 2SA1693
2SC4467	80	160	120	8	150	50	1.5	20	1.56	MT-100	Complementary 2SA1694
2SC4468	100	200	140	10	150	50	0.5	20	1.25	MT-100	Complementary 2SA1695
2SC4495	25	80	50	3	150	500	0.5	40	5.00	FM20	High hFE *
2SC4503	80	100	50	30(50)	150	100	0.5	20	1.56	FM100	Switching *
2SC4511	30	120	80	6	150	50	0.5	20	4.16	FM20	Complementary 2SA1725 *
2SC4512	50	120	80	6	150	50	0.5	20	2.50	MT-25	Complementary 2SA1726
2SC4517	30	900	550	3(6)	150	10	0.5	6	4.16	FM20	Switching *
2SC4517A		1000									
2SC4518	35	900	550	5(10)	150	10	0.5	6	3.57	FM20	Switching *
2SC4518A		1000									
2SC4546	30	600	400	7(14)	150	10	0.7	10	4.16	FM20	Switching *
2SC4557	80	900	550	10(20)	150	10	0.5	6	1.56	FM100	Switching *
2SC4558	30	100	80	6(10)	150	300	0.4	30	4.16	FM20	High hFE *
2SC4662	30	500	400	5(10)	150	10	0.5	20	4.16	FM20	Switching *
2SC4706	130	900	600	14(28)	150	10	0.5	6	0.96	MT-100	Switching
2SC4820	30	900	450	6(12)	150	10	0.5	12	4.16	FM20	Switching *
2SC4883	20	150	150	2	150	60	1.0	120	6.25	FM20	Complementary 2SA1859 *
2SC4883A		180	180								Complementary 2SA1859A *
2SC4886	80	150	150	14	150	50	2.0	60	1.56	FM100	Complementary 2SA1860 †*
2SC4907	30	600	500	6(12)	150	10	0.5	8	4.16	FM20	Switching *
2SC4908	35	900	800	3(6)	150	10	0.5	6	3.57	FM20	Switching *
2SC5002	80	1500	800	7(14)	150	8	5.0	4	1.56	FM100	Switching *
2SC5003	80	1500	800	7(14)	150	8	5.0	4	1.56	FM100	Switching Built-in damper diode *
2SC5071	100	500	400	12(24)	150	10	0.5	10	1.25	MT-100	Switching
2SC5099	60	120	80	6	150	50	0.5	20	2.08	FM100	Complementary 2SA1907 *
2SC5100	75	160	120	8	150	50	0.5	20	1.66	FM100	Complementary 2SA1908 *
2SC5101	80	200	140	10	150	50	0.5	20	1.56	FM100	Complementary 2SA1909 *
2SC5124	100	1500	800	10(20)	150	8	5.0	3	1.25	FM100	Switching *
2SC5130	30	600	400	5(10)	150	10	0.5	20	4.16	FM20	Switching *
2SC5239	50	900	550	3(6)	150	10	0.5	6	2.50	MT-25	Switching
2SC5249	35	600	600	3(6)	150	20	0.5	6	3.57	FM20	Switching *
2SC5271	30	250	200	5(10)	150	10	1.0	10	4.16	FM20	Switching *
2SC5287	80	900	550	5(10)	150	10	0.5	6	1.56	MT-100	Switching
2SC5333	35	300	300	2	150	30	1.0	10	3.57	FM20	*

Note: Ic inside parentheses is a pulse current.