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Type No.	Package type	Applications	Absolute maximum ratings					Electrical characteristics (T <sub>a</sub> = 25 °C)										
			V <sub>CB0</sub> (V)	V <sub>CE0</sub> (V)	I <sub>C</sub> (mA)	P <sub>C</sub> (mW)	T <sub>J</sub> (°C)	f <sub>r</sub> @ V <sub>CE</sub> · I <sub>C</sub>			C <sub>ob</sub> @ V <sub>CS</sub>		NF @ V <sub>CE</sub> · I <sub>C</sub>			S <sub>21e</sub>   <sup>2</sup> @ V <sub>CE</sub> · I <sub>C</sub>		
								f <sub>r</sub> (GHz)	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	C <sub>ob</sub> (pF)	V <sub>CS</sub> (V)	NF (dB)	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	S <sub>21e</sub>   <sup>2</sup> (dB)	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)
2SC5277	SMCP	UHF to S-band low-noise amplifier, oscillator	20	10	30	100	150	11	5	10	0.45	10	1.4 (1.5G)	5	5	10	5	10
2SC4401	MCP	VHF/UHF mixer, oscillator, low-voltage HF amplifier	25	15	30	150	150	3	3	3	0.7	3	3.0	3	3	11	3	3
2SC4402	MCP	VHF/UHF mixer, oscillator, low-voltage HF amplifier	25	15	50	150	150	3	3	10	0.85	3	1.5	3	5	12	3	10
2SC4403	MCP	VHF amplifier	25	16	70	150	150	3	10	10	0.65	10	2.5	10	3	12	10	10
2SC4404	MCP	VHF amplifier	20	12	70	150	150	5	10	20	0.75	10	2.2	10	5	14 † †	10	20
2SC4405	MCP	VHF amplifier	20	12	100	150	150	5	10	20	0.9	10	1.5	10	5	14 † †	10	20
2SC4406	MCP	VHF mixer, oscillator	30	15	50	150	150	1.2	10	10	0.75	10	2	10	3	15 †	10	10
2SC4407	MCP	VHF/UHF mixer, oscillator	25	15	50	150	150	3	10	10	0.7	10	3	10	3	12 †	10	10
2SC4853	MCP	Low-voltage low-current high-frequency amplifier	12	6	15	80	150	5	1	1	0.6	1	2.8	1	1	7 †	1	1
2SC4867	MCP	VHF to UHF wideband low-noise amplifier	16	8	50	150	150	9	5	15	0.7	10	1.3	5	5	13 †	5	15
2SC5226	MCP	VHF to UHF high-frequency, low-noise amplifier	20	10	70	150	150	7	5	20	0.85	10	1	5	7	11.5 †	5	20
2SC5245	MCP	UHF to S-band low-noise amplifier, oscillator	20	10	30	150	150	11	5	10	0.45	10	1.4 (1.5G)	5	5	10 †	5	10
2SA1669	CP	VHF amplifier	20	15	50	250	150	3	10	5	1	10	2	10	3	-	-	-
2SA1778	CP	VHF amplifier	15	15	50	250	150	1.2	10	5	1.5	10	2.5	10	3	13 † †	10	5
2SA1963	CP	HF amplifier, ultrahigh-speed switching	12	8	50	200	150	5	5	10	0.8	10	1.5	5	5	9 † †	5	10
2SC3770	CP	VHF amplifier	30	20	30	250	150	1.2	10	3	0.7	10	-	-	-	15 †	10	5
2SC3771	CP	VHF amplifier	30	20	30	250	150	2.2	10	5	0.7	10	3.5	10	3	10 † / 16 †	10	10
2SC3772	CP	VHF amplifier	25	16	70	250	150	3	10	10	0.65	10	2.5	10	3	12 †	10	10
2SC3773	CP	VHF amplifier	25	16	50	250	150	3.5	10	5	0.6	10	3	10	3	12 †	10	10
2SC3774	CP	VHF amplifier	20	12	70	250	150	5	10	20	0.75	10	2.2	10	5	14 † †	10	20
2SC3775	CP	VHF amplifier	20	12	100	250	150	5	10	20	0.9	10	1.5	10	5	14 † †	10	20
2SC4269	CP	VHF mixer, oscillator	30	15	50	250	150	1.2	10	10	0.75	10	2	10	3	15 † †	10	10
2SC4270	CP	UHF mixer, oscillator	25	15	50	250	150	3	10	10	0.7	10	3	10	3	12 † †	10	10
2SC4364	CP	VHF/UHF mixer, oscillator, low-voltage HF amplifier	25	15	30	250	150	3	3	3	0.75	3	3	3	3	11 † †	3	3
2SC4365	CP	VHF/UHF mixer, oscillator, low-voltage HF amplifier	25	15	50	250	150	3	3	10	0.9	3	1.5	3	5	12 † †	3	10
2SC4854	CP	Low-voltage low-current HF amplifier	12	6	15	80	150	5	1	1	0.6	1	2.8	1	1	7 † †	1	1
2SC4868	CP	VHF to UHF wideband low-noise amplifier	16	8	50	200	150	9	5	15	0.7	10	1.3	5	5	13 † †	5	15
2SC5227	CP	VHF to UHF high-frequency, low-noise amplifier	20	10	70	200	150	7	5	20	0.85	10	1	5	7	11.5 † †	5	20
2SC5275	CP	UHF to S-band low-noise amplifier, oscillator	20	10	30	200	150	11	5	10	0.45	10	1.4 (1.5G)	5	5	10 † †	5	10
2SC4855	CP4	Low-voltage low-current HF amplifier	12	6	15	80	150	5	1	1	0.6	1	2.8	1	1	8 †	1	1
2SC4869	CP4	VHF to UHF wideband low-noise amplifier	16	8	50	200	150	9	5	15	0.7	10	1.3	5	5	15 †	5	15
2SC5228	CP4	VHF to UHF high-frequency, low-noise amplifier	20	10	70	200	150	7	5	20	0.85	10	1	5	7	13 †	5	20
2SC5276	CP4	UHF to S-band low-noise amplifier, oscillator	20	10	30	200	150	11	5	10	0.45	10	1.4 (1.5G)	5	5	11 † †	5	10
FC151	CP6	HF amplifier, current mirror circuit	20 §	15	50	200 #	150	3	10	5	1	10	2	10	3	>5**	10	5
FC152	CP6	HF amplifier, differential amplifier	25 §	15	50	200 #	150	3	10	10	0.7	10	3	10	3	12**	-	10
FC154	CP6	HF amplifier, high-speed switching	25 §	15	50	300 #	150	3.0	10	10	0.7	10	3.0	10	3	-	-	-
		Equivalent to 2SC4270 + 2SA1669	25 §	15	50	300 #	150	3.0	10	5	0.1	10	2.0	10	3	-	-	-
2SA1969	PCP	HF medium output amplifier, for medium current ultrahigh-speed switching	10	10	400	1300	150	1.7	5	100	4.7	10	-	-	-	-	-	-
2SC4673	PCP	VHF amplifier	20	12	100	800*	150	4.5	10	20	1.1	10	1.5	10	5	-	-	-
2SC4859	PCP	VHF to UHF local oscillator	18	10	80	800*	150	5.5	5	20	1.1	10	1.5	5	5	>5	5	20
2SC4866	PCP	VHF to UHF wideband low-noise amplifier	16	8	70	800*	150	6.5	5	20	1.05	10	1.1	5	7	9	5	20
2SC5229	PCP	VHF to UHF high-frequency, low-noise amplifier	20	10	70	400	150	7	5	20	1	10	1	5	7	9.5	5	20
2SC3776	NP	VHF amplifier	25	16	70	400	150	3	10	10	0.7	10	2.5	10	3	12	10	10
2SC3777	NP	VHF amplifier	25	16	50	400	150	3.5	10	5	0.7	10	3	10	3	12	10	10
2SC3778	NP	VHF amplifier	20	12	70	500	150	5	10	20	0.8	10	2.2	10	5	14	10	20
2SC3779	NP	VHF amplifier	20	12	100	600	150	5	10	20	1	10	1.5	10	5	14 † †	10	20

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