


BIPOLAR TRANSISTORS CONT.

TCE Type (*complementary device type)	Device Polarity & Material	Application	Maximum Ratings					
			Device Power Dissipatn. P_T W	Collector Current Continuous I_C A	Base Current I_B A	Breakdown Voltages		
						Collector-to-Base BV_{CBO} V	Collector-to-Emitter BV_{CEO} V	Emitter-to-Base BV_{EBO} V
SK9295	NPN/Si	High-Voltage Amp/Switch	40	3	0.3	250	250	6
SK9351 *SK3232	PNP/Si	TV Video/Chroma Amp	10	-0.5	.....	-300	-300	-5
SK9352	NPN/Si	TV Chroma Output, Horiz. Driver	0.9	0.1	.....	300	300	7
SK9362A	NPN/Si	AF Amp, Power Amp	15	0.2	.....	300	300	7
SK9363 *SK9118	PNP/Si	TV Vert. Deflection/Audio Amp	30	-2	.....	-200	-150	-6
SK9364	NPN/Si	AF High-Power Amp	40	3	1	100	80	6
SK9365 *SK3947	PNP/Si	High-Power Amp	250	-16	-5	-400	-250	-5
SK9366 *SK9367	NPN/Si	High-Frequency AF Circuits	50	8	2	150	150	5
SK9367 *SK9366	PNP/Si	High-Frequency AF Circuits	50	-8	2	-150	-150	-5
SK9368 *SK9369	NPN/Si	AF Power Amp	8	1.5	0.3	140	100	5
SK9369 *SK9368	PNP/Si	AF Power Amp	8	-1.5	.....	-120	-100	-5
SK9370	NPN/Si	High-Speed Switching	20	2	0.2	150	80	8
SK9371	NPN/Si	Small-Signal Amp/UHF/Microwave	0.4	0.04	.....	20	12	3
SK9372	NPN/Si	RF At 1 GHz	0.375	0.03	.....	25	15	3
SK9373	NPN/Si	RF	0.18	0.03	.....	25	15	3
SK9374	NPN/Si	High-Voltage Switching	150	12	4	.....	500	8
SK9387	NPN/Si	Small-Signal	1	0.6	.....	60	40	5
SK9390 *SK9389	PNP/Si	Low-Frequency Power Amp	100	-9	.....	-200	-140	-5
SK9391	NPN/Si	Switching	40	7	.....	130	100	7
SK9407	NPN/Si	High-Speed Switch	0.5	0.15	.....	60	50	5
SK9408 *SK9409	NPN/Si	Low-Frequency Power Amp	20	1.5	.....	180	160	5
SK9409 *SK9408	PNP/Si	Low-Frequency Power Amp	20	-1.5	.....	-180	-160	-5
SK9410	NPN/Si	Switching, Power Amp	0.9	1.5	0.050	30	30	10
SK9411	NPN/Si	TV Horiz. Deflection	100	5	1500	$V_{CES} = 1500$	5

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Operating Characteristics					Switching Characteristics (if any) Max. Limits, Resistive Load				RF Functional Data (if any)			Outline No.	TCE Type
Current Gain			Gain-Bandwidth Product	Noise Figure	Delay Time	Rise Time	Storage Time	Fall Time	Power Gain	Test Conditions			
Small Signal	Static	Test Conditions								Power Output	Operating Frequency		
h_{ie}	h_{FE}		f_T MHz	NF	t_d μS	t_r μS	t_s μS	t_f μS	G_p dB	$P_{out, Test}$ W	F_o MHz		
.....	90-250	Vce(V) = 5 Ic(A) = 0.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-051	SK9295
.....	25	Vce(V) = -10 Ic(A) = -0.01	60	.....	.....	.....	.....	.....	.....	.....	.....	T-029	SK9351
.....	30-150	Vce(V) = 10 Ic(A) = 0.02	50 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-023	SK9352
.....	60-200	Vce(V) = 10 Ic(A) = 0.01	50 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-036	SK9362A
.....	100-200	Vce(V) = -4 Ic(A) = -0.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-036	SK9363
.....	500	Vce(V) = 4 Ic(A) = 0.5	50 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-036	SK9364
.....	15-60	Vce(V) = -4 Ic(A) = -8	4 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-043	SK9365
.....	40 Min	Vce(V) = 2 Ic(A) = 0.1	30	.....	.....	.....	.....	.....	.....	.....	.....	T-036	SK9366
.....	40 Min	Vce(V) = -2 Ic(A) = -0.1	30	.....	.....	.....	.....	.....	.....	.....	.....	T-036	SK9367
.....	30-150	Vce(V) = 2 Ic(A) = 0.2	60 Typ	.....	.....	.....	3 Typ	0.2 Typ	.....	.....	.....	T-005	SK9368
.....	30-150	Vce(V) = -2 Ic(A) = -0.2	60 Typ	.....	.....	.....	2 Typ	0.2 Typ	.....	.....	.....	T-005	SK9369
.....	2K-30K	Vce(V) = 2 Ic(A) = 1	.....	.....	.....	.....	1 Typ	1 Typ	.....	.....	.....	T-045	SK9370
.....	30-200	Vce(V) = 10 Ic(A) = 0.03	5000	2.5dB @	.....	.....	.....	.....	.....	.....	.....	T-012	SK9371
.....	30-200	Vce(V) = 5 Ic(A) = 0.005	4500	2.0dB @	.....	.....	.....	.....	.....	.....	.....	T-012	SK9372
.....	25-250	Vce(V) = 10 Ic(A) = 0.0145	5000	2.4dB @	.....	.....	.....	.....	.....	.....	.....	T-013	SK9373
.....	6-40	Vce(V) = 3 Ic(A) = 8	15-60	.....	0.1	0.45	3	0.4	.....	.....	.....	T-043	SK9374
.....	30-75	Vce(V) = 1 Ic(A) = 0.1	390 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-021	SK9387
.....	60-200	Vce(V) = -5 Ic(A) = -1	7 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-048	SK9390
.....	90-269	Vce(V) = 2 Ic(A) = 3	30 Typ	.....	.....	.....	1.5 Typ	0.1 Typ	.....	.....	.....	T-036	SK9391
.....	160-560	Vce(V) = 6 Ic(A) = 0.001	100	.....	0.06	0.13	0.45	0.25	.....	.....	.....	T-017	SK9407
.....	100-200	Vce(V) = 5 Ic(A) = 0.15	140 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-044	SK9408
.....	60-200	Vce(V) = -5 Ic(A) = -0.15	140 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-044	SK9409
.....	4K Min	Vce(V) = 2 Ic(A) = 0.15	.....	.....	.....	.....	0.6 Typ	0.3 Typ	.....	.....	.....	T-023	SK9410
.....	6-20	Vce(V) = 10 Ic(A) = 5	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-043	SK9411