


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
SK9469 *SK9468	PNP/Si	Gen. Purpose, Switching	.....	.....	.....	-80	-80	-7
SK9470	NPN/Si	High-Speed Switching	.....	.....	.....	80	50	6
SK9471	PNP/Si	High-Speed Switching	.....	.....	.....	-40	-40	-5
SK9472	NPN/Si	High-Voltage Amp for TV	0.85	.....	.....	500	370	7 Min
SK9473	NPN/Si	High-Voltage Amp for TV	0.85	.....	.....	500	375	7 Min
SK9474	NPN/Si	Power Switching Circuits	50	7	5	180	130	7
SK9475	NPN/Si	Has Internal Diode, Zener Clamp Protection	40	5	0.5	50	50	6
SK9476	NPN/Si	High-Voltage, High-Speed in TV Horiz. Deflection	125	8	4	.....	700	5
SK9477	NPN/Si	Low-Noise, High-Beta Amp	0.2	0.1	.....	120	120	5
SK9478	NPN/Si	Power Regulator for TV	80	4	.....	55	55	5
SK9479	NPN/Si	Power Amp w/Built-in Zener Diode	45	8	.....	60	60	7
SK9480	NPN/Si	Switching Circuits	10	2	.....	60	60	8
SK9481	NPN/Si	Power Amp w/Built-in Zener Diode	45	8	.....	60	60	7
SK9482	PNP/Si	High-Current Switch for Relay Drivers, High-Speed Inv.	90	-15	.....	-60	-50	-6
SK9483	NPN/Si	Color TV Power Regulator	80	5	.....	200	180	5
SK9484	NPN/Si	High-Voltage/High-Speed Power Switch, Inductive Circ.	175	15	10	.....	400	9
SK9485	NPN/Si	Horiz. Deflection Circuits	65	2.5	2	.....	750	5
SK9486	NPN/Si	High-Definition, Horiz. Deflection Output	120	5	.....	1500	800	7
SK9487	NPN/Si	TV Horiz. Deflection	120	5	.....	1500	800	7
SK9488	NPN/Si	Switching Regulator	100	6	.....	900	800	7
SK9489 *SK9991	PNP/Si	Power Amp	150	-15	-1.5	-200	-200	-5
SK9600	NPN/Si	CATV Broadband Amp	5	0.4	.....	50	30	5
SK9601	NPN/Si	CATV Broadband Amp	5	0.4	.....	50	30	5
SK9602	NPN/Si	CATV Broadband Amp	2.5	0.2	.....	34	17	2.5



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		
.....	100-300	Vce(V) = -5 Ic(A) = -0.1	150 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-063	SK9469
.....	60-150	Vce(V) = 1 Ic(A) = 0.15	.....	.....	0.005	0.015	0.035	0.020	.....	.....	.....	T-063	SK9470
.....	40 Min	Vce(V) = 1 Ic(A) = 0.15	175	.....	0.010	0.030	0.060	0.030	.....	.....	.....	T-063	SK9471
.....	40-90	Vce(V) = 10 Ic(A) = 0.01	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-063	SK9472
.....	40-90	Vce(V) = 10 Ic(A) = 0.01	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-065	SK9473
.....	20 Min	Vce(V) = 2 Ic(A) = 5	50-200	.....	0.1	0.25	0.1	0.5	.....	.....	.....	T-036	SK9474
.....	4000	Vce(V) = 3 Ic(A) = 2.5	20	.....	$t_{on} = 0.6$	.....	4.0	1.5	.....	.....	.....	T-036	SK9475
.....	.....	Vce(V) = Ic(A) =	7	.....	.....	.....	.....	0.7	.....	.....	.....	T-047	SK9476
350-700	.....	Vce(V) = 6 Ic(A) = 3.002	100	.....	.....	.....	.....	.....	.....	.....	.....	T-067	SK9477
.....	1000	Vce(V) = 5 Ic(A) = 0.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-048	SK9478
.....	2000	Vce(V) = 3 Ic(A) = 4	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-083	SK9479
.....	8000	Vce(V) = 2 Ic(A) = 1	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-045	SK9480
.....	2000	Vce(V) = 3 Ic(A) = 4	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-036A	SK9481
.....	100	Vce(V) = -2 Ic(A) = -1	20	.....	.....	.....	.....	.....	.....	.....	.....	T-048	SK9482
.....	1000	Vce(V) = 5 Ic(A) = 1	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-048	SK9483
.....	12-60	Vce(V) = 2 Ic(A) = 5	6-28	.....	0.05	1	4	0.7	.....	.....	.....	T-043	SK9484
.....	.....	Vce(V) = Ic(A) =	4 Typ	.....	.....	.....	.....	1 Max	.....	.....	.....	T-085	SK9485
.....	8 Min	Vce(V) = 5 Ic(A) = 1	3 Typ	.....	.....	.....	.....	0.3	.....	.....	.....	T-048	SK9486
.....	8 Min	Vce(V) = 5 Ic(A) = 1	3 Typ	.....	.....	.....	.....	0.4	.....	.....	.....	T-048	SK9487
.....	10-40	Vce(V) = 5 Ic(A) = 0.4	15 Typ	.....	$t_{on} = 1$	.....	3	0.7	.....	.....	.....	T-048	SK9488
.....	55-160	Vce(V) = 5 Ic(A) = 1	25 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-089	SK9489
.....	30-300	Vce(V) = 20 Ic(A) = 0.07	1800	9dB Max @ 216MHz	.....	.....	.....	.....	.....	.....	.....	T-082	SK9600
.....	30-300	Vce(V) = 20 Ic(A) = 0.07	1800	9dB Max @ 216MHz	.....	.....	.....	.....	.....	.....	.....	T-082	SK9601
.....	50-200	Vce(V) = 5 Ic(A) = 0.05	4500 Typ	5.5	.....	.....	.....	.....	10	.....	500	T-005	SK9602