


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
SK3052	PNP/Ge	AF Med.-Power	6	-2	...	-60	-60	-12
SK3053	PNP/Si	High-Speed Switching, Linear Amp	10	-1	..	-350	300	-6
SK3054 *SK3083	NPN/Si	Gen. Purpose Audio, Med.-Power Switching	50	7	3	90	70	5
SK3079	NPN/Si	High-Power	117	10	7	160	140	7
SK3083 *SK3054	PNP/Si	Audio, TV Deflection Amp	40	-7	3	-80	-70	-5
SK3085	PNP/Si	TV Vert. Deflection Systems	40	-6	-2	-85	-75	-5
SK3086	PNP/Ge	Med.-Power Output Stage	12	-2	.....	-35	-35	-6
SK3103A *SK3528	NPN/Si	AF Power Output, TV Video Amp Stage	10	1	0.5	450	350	7
SK3104A	NPN/Si	TV Driver, Output Stage	10	1	0.5	300	250	7
SK3111	NPN/Si	TV Horiz. Output Stage	50	5	.....	1500	600	5
SK3114A *SK3124A	PNP/Si	AF Power Amp	0.6	-0.5	.....	-100	-80	-5
SK3115	NPN/Si	TV Horiz. Output Stage	50	7	.....	1500	600	5
SK3117	NPN/Si	RF/TV/VHF	0.2	0.05	.....	30	15	3
SK3118	PNP/Si	AM/FM RF Stage; TV IF Stage	0.5	.....	.....	-50	-40	-5
SK3122 *SK9132	NPN/Si	AM/FM Audio Stage	0.4	0.5	.....	50	50	4
SK3123	PNP/Ge	AF	7.5	-3	.....	-60	-40	-20
SK3124A *SK3114A	NPN/Si	AF Power Amp	0.6	0.5	.....	100	80	5
SK3133	NPN/Si	TV Vert. Deflection Stage	50	1	.....	1500	550	5
SK3137 *SK3138	NPN/Si	AF Med.-Power Stage	0.6	1	.....	60	50	5
SK3138 *SK3137	PNP/Si	AF Med.-Power Stage	0.6	-1	.....	-60	-50	-5
SK3173 *SK3027	PNP/Si	AF High-Power	200	-20	-5	-120	-120	-5
SK3176	NPN/Si	VHF RF Amp	31	2.5	.....	36	18	4
SK3177	NPN/Si	VHF RF Amp	50	4		36	18	4
SK3178B *SK3179B	NPN/Si	AF Med.-Power	10	1	0.1	100	100	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		
...	100	Vce(V) = -1 Ic(A) = -0.5	0.45	.....	.....	.....	.....	.....	.....	.....	.....	T-040	SK3052
.....	30-120	Vce(V) = -10 Ic(A) = -0.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-005	SK3053
.....	20-100	Vce(V) = 4 Ic(A) = 3.5	0.8	.....	.....	.....	.....	.....	.....	.....	.....	T-036	SK3054
...	20-70	Vce(V) = 4 Ic(A) = 3	1	.....	.....	.....	.....	.....	.....	.....	.....	T-043	SK3079
.....	30-150	Vce(V) = -4 Ic(A) = -2	10 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-036	SK3083
.....	20-100	Vce(V) = -4 Ic(A) = -3	5 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-040	SK3085
110	.....	Vce(V) = -1.5 Ic(A) = -0.2	0.45	.....	.....	.....	.....	.....	.....	.....	.....	T-042	SK3086
.....	40-160	Vce(V) = 10 Ic(A) = 0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-005	SK3103A
.....	40-160	Vce(V) = 10 Ic(A) = 0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-005	SK3104A
.....	20 Typ	Vce(V) = 5 Ic(A) = 1	3 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-043	SK3111
.....	60-320	Vce(V) = -5 Ic(A) = -0.05	120	.....	.....	.....	.....	.....	.....	.....	.....	T-017	SK3114A
.....	8-20	Vce(V) = 5 Ic(A) = 1	3 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-043	SK3115
...	50 Typ	Vce(V) = 1 Ic(A) = 0.003	900 Typ	6dB	.....	.....	.....	.....	21 Typ	.....	200	T-001	SK3117
.....	60-120	Vce(V) = -2 Ic(A) = 0.002	100 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-020	SK3118
.....	100-200	Vce(V) = 3 Ic(A) = 0.01	200	.....	.....	.....	.....	.....	.....	.....	.....	T-017	SK3122
80	...	Vce(V) = -2 Ic(A) = -0.4	1	.....	.....	.....	.....	.....	.....	.....	.....	T-009	SK3123
...	100-320	Vce(V) = 5 Ic(A) = 0.05	120	.....	.....	.....	.....	.....	.....	.....	.....	T-017	SK3124A
30	.....	Vce(V) = 10 Ic(A) = 0.1	1	.....	.....	.....	.....	.....	.....	.....	.....	T-043	SK3133
.....	120	Vce(V) = 10 Ic(A) = 0.5	200	.....	.....	.....	.....	.....	.....	.....	.....	T-024	SK3137
...	120	Vce(V) = -10 Ic(A) = -0.5	200	.....	.....	.....	.....	.....	.....	.....	.....	T-024	SK3138
...	25-150	Vce(V) = -2 Ic(A) = -5	2 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-043	SK3173
.....	5 Min	Vce(V) = 5 Ic(A) = 0.5	.....	.....	.....	.....	.....	.....	6.3	15	175	T-038	SK3176
.....	5	Vce(V) = 5 Ic(A) = 1	.....	.....	.....	.....	.....	.....	6.2	25	175	T-038	SK3177
.....	80-300	Vce(V) = 1 Ic(A) = 0.05	75-375	.....	.....	.....	.....	.....	.....	.....	.....	T-034	SK3178B