

**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
SK3441 *SK3440	PNP/Si	AF Power Amp Stage	40	-4	-2	-130	-120	-5
SK3444 *SK10272	NPN/Si	Gen. Purpose AF/RF Small-Signal Amplification	1.8	0.8	.....	75	40	6
SK3449 *SK3450	NPN/Si	Audio Driver, Output Stage	0.8	0.4	.....	80	80	5
SK3450 *SK3449	PNP/Si	Audio Driver, Output Stage	0.8	-0.4	.....	-80	-80	-5
SK3452	NPN/Si	AM/FM/TV RF/IF Video Amp, UHF Oscillator, VHF Tuner	1	0.1	.....	30	20	3
SK3464	NPN/Si	CB AF Power Amp	7	1.5	.....	50	40	5
SK3466 *SK3479	PNP/Si	AF Preamp/Driver	1.5	-1	.....	-80	-80	-5
SK3467	NPN/Si	TV Horiz Deflection, High-Voltage Switching	100	15	3	800	325	8
SK3479 *SK3466	NPN/Si	Med.- Power Drivers or Low-Power Output Stage	1.5	0.5	.....	80	80	5
SK3512 *SK3513	NPN/Si	High-Speed Inverter/Switch/Amp	10	2	1	100	90	7
SK3513 *SK3512	PNP/Si	Inverter/Driver/Amp	10	-2	-1	-100	-90	-7
SK3528 *SK3103A	PNP/Si	Linear Amplification, High-Speed Switching	10	-1	-0.5	-350	-300	-6
SK3529	NPN/Si	High-Voltage Switching	5	2	.....	60	$V_{CES} = 55$	5
SK3538	NPN/Si	AF, Switching Stage	25	3	2	160	140	7
SK3559	NPN/Si	TV Vert. Deflection, Industrial Power Switching	175	10	10	450	350	6
SK3562	NPN/Si	Med.- Power Switching	35	7	5	120	75	7
SK3619	NPN/Si	Power Switching:control, inverters, converters	140	30	10	150	120	7
SK3620	NPN/Si	AF Output, Power Switching Stage	75	15	5	90	80	5
SK3621	NPN/Si	AF/Power Switching:regulators, converters, inverters	140	10	5	150	120	6.5
SK3623 *SK3261	PNP/Si	AF/Power Switching:regulators, converters, inverters	35	-2	-1	-450	-400	-6
SK3625 *SK3626	PNP/Si	AF/Power Switching	40	-4	-2	-130	-120	-5
SK3626 *SK3625	NPN/Si	AF/Power Switching	40	4	2	130	120	5
SK3642	PNP/Ge	Power Switching	106	-25	-5	-90	-100	-2
SK3710	NPN/Si	TV Horiz. Deflection	50	6	.....	1500		



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	$P_{outTest}$ W	F_o MHz		
...	15-150	Vce(V) = -4 Ic(A) = -1.5	10 Min	...	...	...	...	...	...	...	...	T-036	SK3441
..	100-300	Vce(V) = 10 Ic(A) = 0.15	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-008	SK3444
....	120-240	Vce(V) = 2 Ic(A) = 0.05	100 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-023	SK3449
...	120-240	Vce(V) = -2 Ic(A) = -0.05	100 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-023	SK3450
...	75 Typ	Vce(V) = 10 Ic(A) = 0.002	800 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-021	SK3452
...	55-180	Vce(V) = 4 Ic(A) = 0.5	..	.....	.....	.....	.....	.....	.....	.....	.....	T-035	SK3464
..	50-250	Vce(V) = -10 Ic(A) = -0.01	100-500	3	$t_{on} = 0.1$	...	$t_{off} = 0.4$	.....	.....	.....	.....	T-021	SK3466
....	15 Min	Vce(V) = 10 Ic(A) = 2.5	6 Typ	.....	.....	.....	.....	1 Max	.....	.....	.....	T-043	SK3467
...	50 Min	Vce(V) = 1 Ic(A) = 0.1	100 Min	..	0.015	0.030	0.50	0.060	.....	.....	.....	T-021	SK3479
..	30-130	Vce(V) = 4 Ic(A) = 0.5	.....	.....	$t_{on} = 0.08$	...	$t_{off} = 0.8$	.....	.....	.....	.....	T-005	SK3512
..	30-130	Vce(V) = -4 Ic(A) = -0.5	.....	.....	$t_{on} = 0.1$	.....	$t_{off} = 1$	.....	.....	.....	.....	T-005	SK3513
..	30-120	Vce(V) = -10 Ic(A) = -0.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-005	SK3528
..	50	Vce(V) = 1 Ic(A) = 0.5	350	.....	.....	.....	.....	.....	.....	.....	.....	T-005	SK3529
....	25-100	Vce(V) = 4 Ic(A) = 0.5	0.8	.....	.....	.....	.....	.....	.....	.....	.....	T-040	SK3538
...	6-50	Vce(V) = 3 Ic(A) = 10	.....	.....	.....	2 Max	3.5 Max	1 Max	.....	.....	.....	T-043	SK3559
....	20 Min	Vce(V) = 5 Ic(A) = 4	.....	.....	0.04 Max	0.4 Max	0.8 Max	0.4 Max	.....	.....	.....	T-040	SK3562
....	20-100	Vce(V) = 2 Ic(A) = 15	50 Min	.....	$t_{on} = 0.5$	.....	1.5 Max	0.5 Max	.....	.....	.....	T-043	SK3619
..	20-150	Vce(V) = 4 Ic(A) = 5	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-036	SK3620
...	20-150	Vce(V) = 2 Ic(A) = 5	.....	.....	.....	0.3	1	0.2	.....	.....	.....	T-043	SK3621
....	10-100	Vce(V) = -5 Ic(A) = -1	.....	.....	.....	0.6	2.5	0.6	.....	.....	.....	T-040	SK3623
...	15-150	Vce(V) = -4 Ic(A) = -1.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-040	SK3625
..	15-150	Vce(V) = 4 Ic(A) = 1.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-040	SK3626
....	25 Min	Vce(V) = -2 Ic(A) = -8	0.43 Typ	.....	$t_{on} = 11$	.....	$t_{off} = 21$	.....	.....	.....	.....	T-043	SK3642
...	5 Min	Vce(V) = 5 Ic(A) = 5	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-043	SK3710