


**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
<b>SK3247</b>	PNP/Si	AF Preamp	0.3	-0.1	.....	-55	-55	-5
<b>SK3248</b>	NPN/Si	AF Driver, Output, CB Modulator Output	10	3	0.6	40	30	5
<b>SK3250</b>	NPN/Si	CB Transmitter Predriver/Driver, Audio Stage	0.75	1	0.5	100	50	6
<b>SK3251</b>	NPN/Si	CB Transmitter Driver/Output Stage, Audio Amp	8	1.5 Peak	0.5	100	50	6
<b>SK3253</b>	NPN/Si	CB Transmitter Driver/Output Stage	5	1	..	75	45	5
<b>SK3259</b>	PNP/Si	Audio Driver/Output	10	-3.5	1	-80	-65	-5
<b>SK3260</b>	NPN/Si	Audio Output Stage	150	30	15	160	140	7
<b>SK3261</b> *SK3623	NPN/Si	AF High-Voltage	35	2	1	500	300	6
<b>SK3265</b>	NPN/Si	AF Driver/Output Stage	5	0.7	.....	60	40	5
<b>SK3274</b> *SK3893	PNP/Si	AF Output Stage	40	-7	-3	-60	50	-5
<b>SK3275</b> *SK3715	NPN/Si	AF, RF High-Voltage	0.6	0.6	.....	160	140	6
<b>SK3293</b>	NPN/Si	AM/FM Broadcast Band RF/IF Stage	0.25	0.05	.....	30	15	5
<b>SK3297</b> *SK3359	NPN/Si	Audio Hi-Fi Output Stage	175	15	10	.....	400	7
<b>SK3298</b>	NPN/Si	CB Transmitter Driver Stage	4	1	.....	75	35	4
<b>SK3299</b>	NPN/Si	AM, CB Transmitter Output Stage	12.5	4	.....	80	70	4.5
<b>SK3356</b>	NPN/Si	AM/FM Broadcast, CB Receivers	0.36	0.5	..	40	30	5
<b>SK3357</b> *SK9076	NPN/Si	AF Output, CB Modulator Stage	10	3	0.6	50	40	5
<b>SK3359</b> *SK3297	PNP/Si	Audio Power Amp	100	-12	.....	-160	-140	-6
<b>SK3360</b>	NPN/Si	Audio Hi-Fi Output Stage	100	12	.....	150	150	5
<b>SK3433</b> *SK3434	NPN/Si	Gen Purpose High-Voltage Amp	0.625	0.5	0.25	300	300	6
<b>SK3434</b> *SK3433	PNP/Si	Gen. Purpose High-Voltage Amp	0.625	-0.5	-0.25	-300	-300	-5
<b>SK3438</b>	NPN/Si	TV Vert. Deflection Stage	125	8	4	500	250	8
<b>SK3439A</b>	NPN/Si	TV Horiz. Deflection	125	8	4	700	350	8
<b>SK3440</b> *SK3441	NPN/Si	AF Power Amp Stage	40	4	2	130	120	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	$t_d$ $\mu S$	$t_r$ $\mu S$	$t_s$ $\mu S$	$t_f$ $\mu S$	$G_p$ dB	$P_{OUT}$ W	$F_0$ MHz			
...	250-500	Vce(V) = -12 Ic(A) = -0.002	200 Typ	...	...	...	...	...	...	...	...	T-017	<b>SK3247</b>	
..	80-250	Vce(V) = 5 Ic(A) = 1	60 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-032	<b>SK3248</b>	
..	199-451	Vce(V) = 2 Ic(A) = 0.1	...	.....	.....	.....	.....	.....	.....	.....	.....	T-022	<b>SK3250</b>	
..	199-316	Vce(V) = 2 Ic(A) = 0.1	180	.....	.....	.....	.....	.....	.....	.....	.....	T-030	<b>SK3251</b>	
..	100-320	Vce(V) = 5 Ic(A) = 0.5	250 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-045	<b>SK3253</b>	
25 Min	20-100	Vce(V) = -2 Ic(A) = -1	...	.....	.....	.....	.....	.....	.....	.....	.....	T-005	<b>SK3259</b>	
..	15-60	Vce(V) = 4 Ic(A) = 8	...	.....	.....	.....	.....	.....	.....	.....	.....	T-043	<b>SK3260</b>	
..	25-100	Vce(V) = 10 Ic(A) = 1	10	.....	.....	.....	.....	.....	.....	.....	.....	T-040	<b>SK3261</b>	
..	25 Min	Vce(V) = 2.5 Ic(A) = 0.15	...	.....	.....	.....	.....	.....	.....	.....	.....	T-005	<b>SK3265</b>	
..	30-150	Vce(V) = -4 Ic(A) = -2.5	10 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-036	<b>SK3274</b>	
..	60-250	Vce(V) = 5 Ic(A) = 0.01	...	.....	.....	.....	.....	.....	.....	.....	.....	T-021	<b>SK3275</b>	
..	40-180	Vce(V) = 10 Ic(A) = 0.005	1100 typ	.....	.....	.....	.....	.....	.....	.....	.....	T-017	<b>SK3293</b>	
..	10-300	Vce(V) = 10 Ic(A) = 0.1	...	.....	.....	.....	.....	.....	.....	1.4 Typ	27	T-035	<b>SK3298</b>	
..	..	Vce(V) = 10 Ic(A) = 0.1	150	.....	.....	.....	.....	.....	.....	3	27	T-006	<b>SK3299</b>	
100	..	Vce(V) = 10 Ic(A) = 0.15	200	.....	.....	.....	.....	.....	.....	.....	.....	T-017	<b>SK3356</b>	
..	80-220	Vce(V) = 5 Ic(A) = 1	150 Typ	..	.....	.....	.....	.....	.....	.....	.....	T-039	<b>SK3357</b>	
..	100-200	Vce(V) = -5 Ic(A) = -2	15 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-043	<b>SK3359</b>	
..	70-140	Vce(V) = 5 Ic(A) = 1	15 Typ	.....	.....	.....	.....	.....	.....	.....	.....	T-043	<b>SK3360</b>	
..	45-270	Vce(V) = 10 Ic(A) = 0.03	40-200	.....	$t_{on} = 0.2$	.....	$t_{off} = 3.5$	.....	.....	.....	.....	T-021	<b>SK3433</b>	
..	45-270	Vce(V) = -10 Ic(A) = -0.03	40-200	.....	$t_{on} = 0.2$	.....	$t_{off} = 3.5$	.....	.....	.....	.....	T-021	<b>SK3434</b>	
.....	15-75	Vce(V) = 5 Ic(A) = 3	.....	.....	.....	0.6 Max	1.6 Max	0.4 Max	.....	.....	.....	T-043	<b>SK3438</b>	
..	12-60	Vce(V) = 5 Ic(A) = 3	.....	.....	.....	0.6 Max	1.6 Max	0.4 Max	.....	.....	.....	T-043	<b>SK3439A</b>	
.....	15-150	Vce(V) = 4 Ic(A) = 1.5	10 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-036	<b>SK3440</b>	