



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
SK9855	NPN/Si	Switching Regulator	50	3	1.5	900	800	7
SK9856	NPN/Si	Power Amp, Switching Darlington	1.0	4	0.4	100	80	5
SK9857	PNP/Si	Power Amp, Switching Darlington	1.0	-4	-0.4	-100	-80	-5
SK9914 *SK9915	NPN/Si	High-Power Amp Switching	300	50	15	80	80	5.0
SK9915 *SK9914	PNP/Si	High-Power Amp, Switching	300	-50	-15	-80	-80	-5.0
SK9916	NPN/Si	Driver	2.5	-10	.....	40	.....	5
SK9918 *SK9919	NPN/Si	AF Power Amp	0.75	5	.....	40	20	7
SK9919 *SK9918	PNP/Si	AF Output Amp	0.75	-5	.....	-27	-18	-7
SK9920	NPN/Si	Matched Pair SK9413	100	12	.....	160	140	6
SK9921	MCP/Si	Matched Complimentary Pair SK9413, SK9415	100	12	.....	160	140	6
SK9922	NPN/Si	Matched Pair SK9366	2.0	8.0	2.0	150	150	5.0
SK9923	MCP/Si	Matched Complimentary Pair SK9366, SK9367	50	8	2	150	150	5
SK9924	NPN/Si	Matched Pair SK9033	250	20	5	140	140	5
SK9925	MCP/Si	Matched Complimentary Pair SK9033, SK9034	250	20	5	140	140	5
SK9926	PNP/Si	Matched Pair SK9034	250	-20	-5	-140	-140	-5
SK9927	MCP/Si	Matched Complimentary Pair SK947, SK9365	250	16	5	400	250	5
SK9928	NPN/Si	Matched Pair SK9237	200	10	2	.....	250	.....
SK9929	MCP/Si	Matched Complimentary Pair SK9237, SK9239	200	10	2	.....	250	.....
SK9930	PNP/Si	Matched Pair SK9239	200	-10	-2	.....	-250	.....
SK9931	MCP/Si	Matched Complimentary Pair SK9446, SK9447	150	15	5	200	200	6
SK9932	MCP/Si	Matched Complimentary Pair SK3024, SK3025	5	0.7	0.2	.....	$V_{CER} = 90$	4
SK9933	MCP/Si	Matched Complimentary Pair SK3274, SK3893	40	7	3	60	50	5
SK9936	NPN/Si	Matched Pair SK3893	50	7	3	60	50	5
SK9957 *SK9958	NPN/Si	Gen. Switching	0.3	0.1	50	50	10

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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		
.	10-40	Vce(V) = 5 Ic(A) = 0.2	15	.....	.....	.....	3.0	0.7	.....	.....	.....	T-085	SK9855
...	2K Min	Vce(V) = 2 Ic(A) = 1	...	.....	.....	.....	1.5	0.6	.....	.....	.....	T-131	SK9856
.....	2K Min	Vce(V) = -2 Ic(A) = -1	.....	.....	.....	.....	0.80	0.40	.....	.....	.....	T-131	SK9857
.....	15-60	Vce(V) = 2.0 Ic(A) = 25	2.0	.....	.....	.....	.....	.....	.....	.....	.....	T-105	SK9914
.....	15-60	Vce(V) = -2.0 Ic(A) = -25	2.0 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-105	SK9915
.....	5000	Vce(V) = 2 Ic(A) = 5	20	.....	.....	.....	3.0	1.8	.....	.....	.....	T-048	SK9916
.....	180-600	Vce(V) = 2 Ic(A) = 0.5	150	.....	.....	.....	.....	.....	.....	.....	.....	T-017	SK9918
.....	90-625	Vce(V) = -2 Ic(A) = -2	120	.....	.....	.....	.....	.....	.....	.....	.....	T-017	SK9919
.....	60-200	Vce(V) = 5 Ic(A) = 1	15	.....	.....	.....	6.88	0.68	.....	.....	.....	T-048	SK9920
..	60-200	Vce(V) = 5 Ic(A) = 1	15	.....	.....	.....	6.88	0.68	.....	.....	.....	T-048	SK9921
.....	40	Vce(V) = 150 Ic(A) = 30	30	.....	.....	.....	.....	.....	.....	.....	.....	T-107	SK9922
..	40 Min	Vce(V) = 2 Ic(A) = 3	30 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-107	SK9923
..	25-150	Vce(V) = 2 Ic(A) = 5	2 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-108	SK9924
..	25-150	Vce(V) = 2 Ic(A) = 5	2 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-108	SK9925
..	25-150	Vce(V) = -2 Ic(A) = -5	2 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-108	SK9926
..	15-60	Vce(V) = 4 Ic(A) = 8	4 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-108	SK9927
..	20-100	Vce(V) = 2 Ic(A) = 2	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-105	SK9928
..	20-100	Vce(V) = 2 Ic(A) = 2	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-105	SK9929
.....	20-100	Vce(V) = -2 Ic(A) = -2	.....	.....	.....	.....	.....	.....	.....	.....	.....	T-105	SK9930
.....	30 Min	Vce(V) = 4 Ic(A) = 5	20	.....	.....	.....	.....	.....	.....	.....	.....	T-061	SK9931
..	50-250	Vce(V) = 4 Ic(A) = 0.15	100	.....	.....	.....	.....	.....	.....	.....	.....	T-005	SK9932
..	30-150	Vce(V) = 4 Ic(A) = 2.5	10	.....	.....	.....	.....	.....	.....	.....	.....	T-036	SK9933
.....	60	Vce(V) = Ic(A) =	10 Min	.....	.....	.....	.....	.....	.....	.....	.....	T-036	SK9936
.....	50 Min	Vce(V) = 5 Ic(A) = 0.01	250	.....	.....	.....	.....	.....	.....	.....	.....	T-117	SK9957