


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
SK9627	PNP/Si	RF Amp, VHF Communications	8	-1	.....	-36	-18	-4
SK9628	PNP/Si	RF Amp, VHF Communications	20	-2.5	.....	-36	-18	-4
SK9629	PNP/Si	RF Amp, VHF Communications	40	-4	.....	-36	-18	-4
SK9630	PNP/Si	RF Amp, VHF Communications	60	-6	.....	-36	-18	-4
SK9631	NPN/Si	VHF RF Power Amp	15	1	.....	65	35	4
SK9632	NPN/Si	VHF RF Power Amp	30	3	.....	65	35	4
SK9633	NPN/Si	VHF RF Power Amp	60	5	.....	65	35	4
SK9634	NPN/Si	UHF Communications	5	0.4	.....	36	16	4
SK9635	NPN/Si	UHF Communications	5	0.75	.....	36	16	4
SK9636	NPN/Si	UHF RF Power Amp	15	1.7	.....	36	16	4
SK9637	NPN/Si	UHF Communications	37.5	3.4	.....	36	16	4
SK9640	NPN/Si	UHF Communications	175	10	.....	36	16	4
SK9641	NPN/Si	UHF Communications	218	13	.....	36	16	4
SK9642	NPN/Si	RF Power Amp, Amateur & Marine	290	20	.....	36	18	4
SK9643	NPN/Si	HF RF Amp, SSB Transmitter	270	15	.....	65	36	4
SK9644	NPN/Si	HF & VHF Large-Signal RF Power Amp	3.5	0.25	.....	36	18	4
SK9645	NPN/Si	VHF Marine & Mobile Transmitter	7	0.5	.....	36	18	4
SK9647	NPN/Si	High-Band Marine & Mobile VHF	11.6	1.5	.....	36	18	4
SK9648	NPN/Si	VHF Marine & Mobile	23	3	.....	36	18	4
SK9649	NPN/Si	VHF Marine & Mobile	145	6	.....	36	18	4
SK9650	NPN/Si	VHF Marine & Mobile	270	15	.....	36	18	4
SK9651	NPN/Si	HF & VHF Large Signal RF Amp	3.5	0.25	.....	36	14	4
SK9652	NPN/Si	UHF RF Communications	145	8	36	16	4
SK9653	NPN/Si	UHF Communications	28	5	36	16	4

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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_{re}	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		
	5 Min	Vce(V) = 5 Ic(A) = 0.25							12 Min	4	175	T-069	SK9627
	15 Min	Vce(V) = 5 Ic(A) = 0.5							6.3 Min	15	175	T-069	SK9628
	15 Min	Vce(V) = 5 Ic(A) = 0.5							5.7 Min	30	175	T-069	SK9629
	15	Vce(V) = 5 Ic(A) = 0.5							4.5 Min	40	175	T-069	SK9630
	5 Min	Vce(V) = 5 Ic(A) = 0.1	300						8.4 Min	7	175	T-072	SK9631
	5 Min	Vce(V) = 5 Ic(A) = 0.2	250						8.2 Min	20	175	T-038	SK9632
	5 Min	Vce(V) = 5 Ic(A) = 0.5	200						7.6 Min	40	175	T-038	SK9633
	20-200	Vce(V) = 5 Ic(A) = 0.05							8 Min	2	470	T-005EC	SK9634
	20 Min	Vce(V) = 5 Ic(A) = 0.1							10 Min	2	470	T-076	SK9635
	20 Min	Vce(V) = 5 Ic(A) = 0.2							8.5 Min	5	470	T-076	SK9636
	20 Min	Vce(V) = 5 Ic(A) = 0.5							6 Min	10	470	T-076	SK9637
	20 Min	Vce(V) = 5 Ic(A) = 1							6.0 Typ	50	470	T-075	SK9640
	20 Min	Vce(V) = 5 Ic(A) = 1							5.5 Typ	65	470	T-075	SK9641
	10 Min	Vce(V) = 5 Ic(A) = 5							13 Typ	100	30	T-068	SK9642
	50 Typ	Vce(V) = 5 Ic(A) = 5							16 Typ	100 PEP	30	T-068	SK9643
	15-150	Vce(V) = 5 Ic(A) = 0.1							9 Min	1.5	225	T-005	SK9644
		Vce(V) = Ic(A) =	350 Typ						6 Min	4 Min	175	T-005	SK9645
		Vce(V) = Ic(A) =	350 Typ						5.4 Min	7 Min	175	T-074	SK9647
		Vce(V) = Ic(A) =	350 Typ						4.8 Min	12 Min	175	T-074	SK9648
	50 Typ	Vce(V) = 5 Ic(A) = 5							7 Typ	50 Typ	175	T-075	SK9649
	10 Min	Vce(V) = 5 Ic(A) = 5							7 Typ	100 Min	175	T-075	SK9650
	15-150	Vce(V) = 5 Ic(A) = 0.1							9 Min	1.5	225	T-005	SK9651
	20 Min	Vce(V) = 5 Ic(A) = 1							6.5 Min	40 Min	470	T-075	SK9652
	20 Min	Vce(V) = 6 Ic(A) = 1							8 Min	6 Min	836	T-077	SK9653