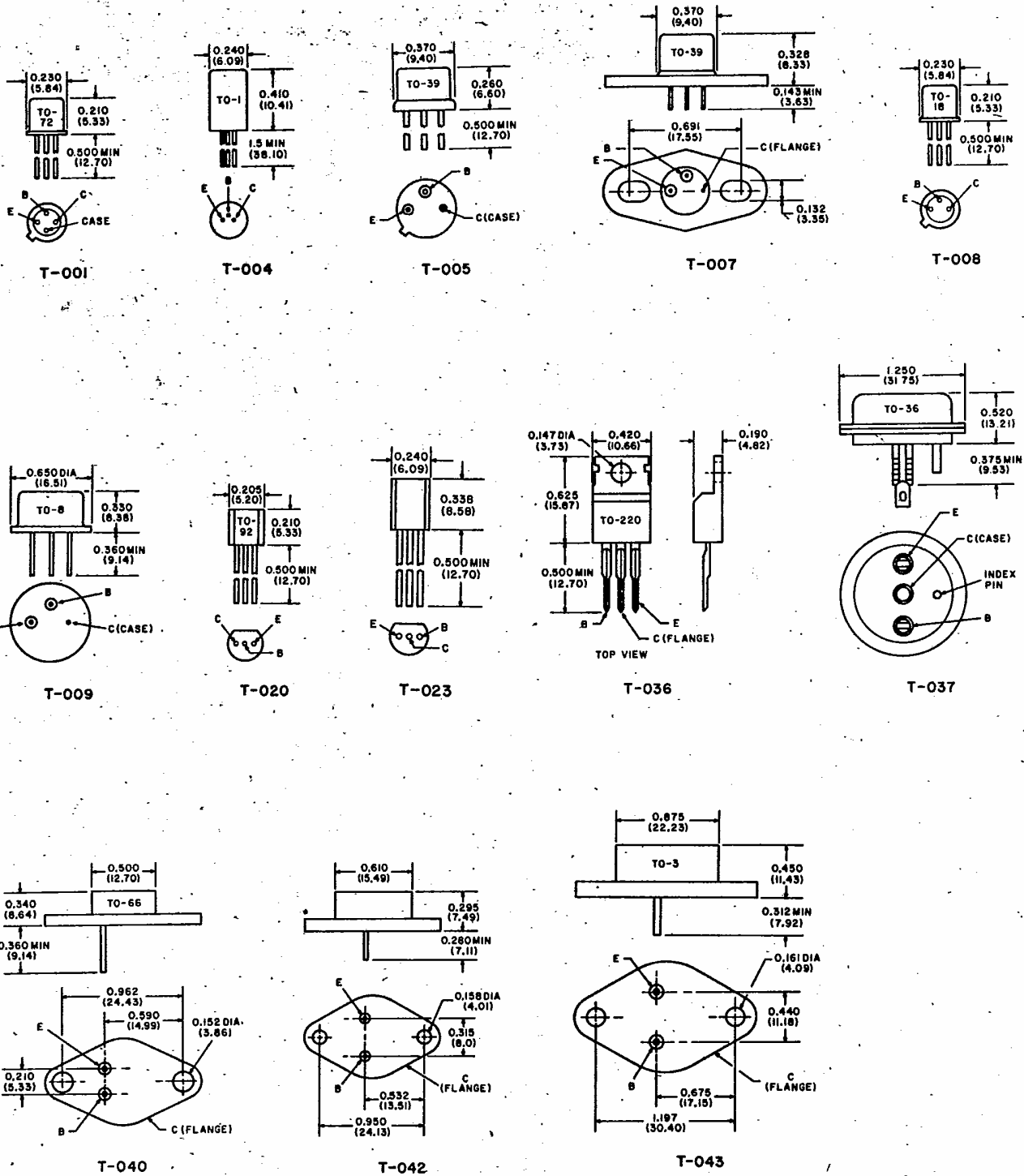


## Bipolar Transistors

RCA Type	Polarity and Material	LIMIT CONDITIONS						CHARACTERISTICS				Case Style	Outline No.	
		Device Dissipation P <sub>T</sub> W	Collector Current Continuous I <sub>C</sub> A	Peak (Surge) I <sub>CM</sub> A	BREAKDOWN VOLTAGE			Typical Current Gain			Typical Gain Bandwidth Product f <sub>T</sub> MHz			
					Collector to Base V <sub>CEO</sub> V	Collector to Emitter V <sub>CE0</sub> V	Emitter to Base V <sub>ES0</sub> V	h <sub>FE</sub>	V <sub>CE</sub> V	I <sub>C</sub> A				
SK3003A/126A	PNP Ge	0.2	-1	—	-30	-12	-5	>20	-9	-1	—	TO-18	T-008	
SK3004/102A	PNP Ge	1	-1	-2	-32	-25	-12	200	-1	-0.05	0.001	TO-1	T-004	
SK3006/160	PNP Ge	0.08	-0.01	—	-25	-18	-23	50	-12	-0.001	260	TO-72	T-001	
SK3007A	PNP Ge	1	-1	-2	-32	-16	-10	90	-12	-0.001	1.5	TO-1	T-004	
SK3008	PNP Ge	0.08	-0.01	—	-34	-15	-0.5	50	-12	-0.001	45	TO-1	T-004	
SK3009	PNP Ge	30	-10	—	-60	-50	-10	90	-1.5	-1	0.45	TO-3	T-043	
SK3012/105	PNP Ge	170	-15	-30	-50	-30	-20	105	-2	-5	0.1	TO-36	T-037	
SK3014	PNP Ge	40	-11	—	-75	-50	-5	80	-1.5	-4	2.5	TO-3	T-043	
SK3015	PNP Ge	Matched Pair of SK3014 Transistors, for Data See SK3014											TO-3	T-043
SK3018	NPN Si	0.3	0.05	—	20	12	2.5	80	1	0.003	1400	TO-72	T-001	
SK3020/123	NPN Si	1	0.8	—	30	25	7	125	10	0.1	150	TO-39	T-005	
SK3021/124	NPN Si	35	2	5	500	300	6	140	10	0.1	10	TO-66	T-040	
SK3024/128	NPN Si	5	1	—	120	80	7	100	10	0.15	150	TO-39	T-005	
SK3025/129	PNP Si	7	-1	—	-90	-80	-7	100	-10	-0.15	100	TO-39	T-005	
SK3026	NPN Si	29	4	—	90	60	7	70	4	0.1	1	TO-66	T-040	
SK3027/130	NPN Si	115	15	—	100	60	7	20-70	4	4	2	TO-3	T-043	
SK3028	NPN Si	Matched Pair of SK3026 Transistors, for Data See SK3026											TO-66	T-040
SK3029/130MP	NPN Si	Matched Pair of SK3027 Transistors, for Data See SK3027/130											TO-3	T-043
SK3034	PNP Ge	32	-10	—	-200	—	-1.5	35	-1.5	-4	2.5	TO-3	T-043	
SK3035	PNP Ge	32	-10	—	-220	—	-1.5	25	-1.5	-4	2.5	TO-3	T-043	
SK3036	NPN Si	150	20	30	100	80	7	100	4	1.5	15	TO-3	T-043	
SK3037	NPN Si	Matched Pair of SK3036 Transistors, for Data See SK3036											TO-3	T-043
SK3039/316	NPN Si	0.2	0.05	—	30	15	3	60	5	0.002	1400	TO-72	T-001	
SK3040	NPN Si	1	0.1	—	200	200	6	55	10	0.05	120	TO-39	T-005	
SK3041	NPN Si	36	4	—	35	35	5	100	4	0.5	2	TO-220	T-036	
SK3044/154	NPN Si	10	1	—	300	300	7	80	10	0.05	30	TO-39	T-005	
SK3045/225	NPN Si	10	1	—	450	350	7	>40	10	0.012	15	TO-39F	T-007	
SK3046	NPN Si	0.5	0.25	—	60	30	2	50	12	0.015	300	TO-39	T-005	
SK3047A	NPN Si	0.5	0.5	—	100	100***	2	50	12	0.05	300	TO-39	T-005	
SK3049/224*	NPN Si	10	1.5	2	60	30	2.5	60	12	0.3	200	TO-39F	T-007	
SK3052	PNP Ge	6	-2	—	-60	-60	-12	110	-1	-0.5	0.45	TO-66	T-040	
SK3053	PNP Si	10	-1	—	-350	300	-6	90	-10	-0.05	30	TO-39	T-005	
SK3054/196	NPN Si	50	7	—	90	70	5	70	4	3.5	0.8	TO-220	T-036	
SK3079	NPN Si	117	15	—	160	140	7	80	4	0.5	1	TO-3	T-043	
SK3082/226	PNP Ge	12	-2	—	-35	-35	-6	110	-1.5	-0.2	0.45	—	T-042	
SK3083/197	PNP Si	50	-7	—	-90	-70	-5	70	-4	-2	0.8	TO-220	T-036	
SK3084	PNP Si	40	-7	—	-40	-30	-5	50	-4	-3	15	TO-220	T-036	
SK3085	PNP Si	40	-6	—	-90	-80	-5	20-100	-4	-2	10	TO-66	T-040	
SK3086/226MP	PNP Ge	Matched Pair of SK3082 Transistors, for Data See SK3082/226											—	T-042
SK3103A/396	NPN Si	10	1	—	450	350	7	60	10	0.02	15	TO-39	T-005	
SK3104A	NPN Si	10	1	—	300	250	7	75	10	0.02	15	TO-39	T-005	
SK3111	NPN Si	50	7	10	1200	400	7	7	5	1	1	TO-3	T-043	
SK3114A/290A	PNP Si	0.6	-0.5	-0.8	-100	-80	-5	100-320	-5	-0.05	120	TO-92	T-017	
SK3115/165	NPN Si	50	7	10	1500	1500**	5	>5	5	1	1	TO-3	T-043	
SK3117	NPN Si	0.3	0.05	—	30	15	3	60	1	0.003	550	TO-72	T-001	
SK3118	PNP Si	0.5	-0.75	—	-50	-40	-5	100	-2	0.002	200	TO-92	T-020	
SK3122	NPN Si	0.4	0.5	—	50	50	4	150	3	0.01	200	TO-92	T-017	
SK3123	PNP Ge	7.5	-3	-5	-60	-40	-20	80	-2	-0.4	1	TO-8	T-009	
SK3124A/289A	NPN Si	0.6	0.5	0.8	100	80	5	100-320	5	0.05	120	TO-92	T-017	
SK3131A/369	NPN Si	40	1	3	800	400	6	>30	10	0.2	7	TO-66	T-040	
SK3132	NPN Si	0.65	0.05	—	50	45	4	50	10	0.01	500	TO-92M	T-023	
SK3133/164	NPN Si	50	1	—	1500	550	5	30	10	0.1	1	TO-3	T-043	

\* V<sub>CEs</sub>      • P<sub>e</sub> = 7.5W @ 27 MHz; 5W @ 50 MHz; 3W @ 150 MHz  
 \*\* V<sub>CEX</sub>  
 \*\*\* V<sub>CEV</sub>

# Dimensional Outlines and Terminal Diagrams



Dimensions in inches (millimeters).  
 All dimensions are max. unless otherwise indicated.