

**Bipolar Transistors**

Type	Polarity and Material	LIMIT CONDITIONS						CHARACTERISTICS				Case Style
		Device Dissipation $P_T$ W	Collector Current Continuous $I_C$ A	Peak (Surge) $I_{CM}$ A	BREAKDOWN VOLTAGE			Typical Current Gain			Typical Gain Bandwidth Product $f_T$ MHz	
					Collector to Base $V_{CBO}$ V	Collector to Emitter $V_{CEO}$ V	Emitter to Base $V_{EBO}$ V	$h_{FE}$	$V_{CE}$ V	$I_C$ A		
SK3114A/290A	PNP Si	0.6	-0.5	-0.8	-100	-80	-5	100-320	-5	-0.05	120	TO-92
SK3118	PNP Si	0.5	-0.75	—	-50	-40	-5	100	-2	-0.002	200	TO-92
SK3122	NPN Si	0.4	0.5	—	50	50	4	150	3	0.01	200	TO-92
SK3124A/289A	NPN Si	0.6	0.5	0.8	100	80	5	100-320	5	0.05	120	TO-92
SK3132	NPN Si	0.65	0.05	—	50	45	4	50	10	0.01	500	TO-92M
SK3137	NPN Si	0.6	1	1.5	60	50	5	120	10	0.5	200	TO-92F
SK3138	PNP Si	0.6	-1	-1.5	-60	-50	-5	120	-10	-0.5	200	TO-92F
SK3244	NPN Si	0.6	0.05	—	250	150	5	100	5	0.01	120	TO-92M
SK3245	NPN Si	0.4	0.1	—	70	50	5	400	6	0.001	>90	TO-92
SK3246A	NPN Si	0.625	0.05	0.1	40	40	4	>40	5	0.007	600	TO-92
SK3247/234	PNP Si	0.2	-0.1	—	-60	-55	-5	160-500	-12	-0.002	200	TO-92
SK3250/315	NPN Si	0.75	1	—	100	50	6	370	2	0.1	80	TO-92M
SK3275/194	NPN Si	0.6	0.6	—	160	140	6	200	5	0.01	200	TO-92
SK3293/107	NPN Si	0.25	0.05	—	30	15	5	100	10	0.005	1100	TO-92
SK3356	NPN Si	0.2	0.03	—	30	25	4	100	6	0.001	200	T-092
SK3433/287	NPN Si	0.625	0.5	—	300	300	6	80	10	0.05	>40	TO-92
SK3434/288	PNP Si	0.625	-0.5	—	-300	-300	-5	80	-10	-0.05	>40	TO-92
SK3449/297	NPN Si	0.8	0.4	1	80	80	5	160	2	0.05	120	TO-92M
SK3450/298	PNP Si	0.8	-0.4	-1	-80	-80	-5	160	-2	-0.05	120	TO-92M
SK3452/108	NPN Si	1	0.1	—	30	20	3	>25	10	0.002	>700	TO-92
SK3466/159	PNP Si	1.5	-1	—	-80	-80	-5	50-200	-10	-0.01	100-400	TO-92
SK3479†	NPN Si	1.5	0.5	—	80	80	5	>50	1	0.1	>100	TO-92
SK3715	PNP Si	1	-0.6	—	-160	-150	-5	200	-5	-0.01	200	TO-92
SK3841/294	PNP Si	1	-1	-1.5	-60	-50	-5	>120	-10	-0.1	200	TO-92
SK3842	NPN Si	0.8	1	—	75	35	4	70	10	1	—	TO-92M
SK3849/293	NPN Si	1	1.5	—	60	50	5	>120	10	0.1	200	TO-92
SK3854/123AP	NPN Si	1.2	0.8	—	75	40	6	200	10	0.15	300	TO-92
SK3866A/31	NPN Si	0.9	1	—	160	160	6	200	5	0.2	>20	TO-92M
SK3867A/32	PNP Si	0.9	-1	—	-160	-160	-6	200	-5	-0.2	>20	TO-92M
SK3899	NPN Si	0.2	0.1	—	55	50	5	250-800	12	0.002	230	TO-92
SK3911	NPN Si	0.6	0.5	1	60	50	7	160	10	0.01	—	EPAK
SK3912	PNP Si	0.6	-0.5	-1	-60	-50	-7	160	-10	-0.01	—	EPAK
SK3931/90	NPN Si	0.75	0.05	—	120	120	5	250-500	12	0.002	350	TO-92M
SK3932/91	PNP Si	0.75	-0.05	—	-120	-120	-5	250-500	-12	-0.002	150	TO-92M
SK9132	PNP Si	0.4	-0.5	—	-50	-50	-4	150	-3	-0.01	200	TO-92
SK9137/382	NPN Si	0.9	1	2	120	100	5	200	5	0.15	140	TO-92M
SK9138/383	PNP Si	0.9	-1	-2	-120	-100	-5	200	-5	-0.15	140	TO-92M
SK9139	NPN Si	0.6	0.07	—	25	12	3	40-200	10	0.02	5900	TO-92
SK9142/192	NPN Si	1	1	—	70	70	5	150	10	0.15	150	TO-92F
SK9143/193	PNP Si	1	-1	—	-70	-70	-5	150	-10	-0.15	150	TO-92F
SK9229/85	NPN Si	0.6	0.4	—	70	70	4	>40	10	0.5	200	TO-92
SK9352/399	NPN Si	0.9	0.1	—	300	300	7	>100	10	0.02	>50	TO-92M
SK9387/233	NPN Si	0.625	0.5	—	40	40	3	75	1	0.1	>250	TO-92

**Dimensional Outlines and Terminal Diagrams**

