

TO-92 Plastic Package Transistors (NPN)

Maximum Ratings							Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																		
Type No.	V _{CB0} (V)	V _{CE0} (V)	V _{EBO} (V)	P _D (W)	I _C (A)	I _{CB0} (μA)	V _{CB} (V)	I _{CES} (μA)	V _{CE} (V)	h _{FE}	I _C & V _{CE}	V _{CE(SAT)} (V)	V _{BE(SAT)} (V)	I _C	C _{ob} (pF)	f _t (MHz)	N _F (dB)	Freq (MHz)	C _{re} (pF)	CDIL Case Style					
	Min	Min	Min	@ Tc=25°C	Max	Max	Max	Max	Min	Max	Max	Max	Max	Max	Typ	Min	Typ	Max	Max	Max	Max				
2SC3199Y	50	50	5	0.4	0.15	0.1	50			120	240	2	6	0.25		100	2	3.5	80		1	10	TO-92-1		
2SC3355	20	12	3	0.6		0.1	15			50	300	20	10			1			6500	20	3	1000	TO-92		
2SC383TM	50	45	4	0.3	0.05	0.1	50			20	100	12.5	12.5	0.2		1.5	15	2	300		13		TO-92-1		
2SC388ATM	30	25	4	0.3	0.05	0.1	30			20	200	12.5	12.5	0.2		1.5	15	2	300		13		TO-92-1		
2SC458	30	30	5	0.2	0.1	0.5	18			100	500	2	12	0.2		10					10	0.001	TO-92-1		
2SC458B	30	30	5	0.2	0.1	0.5	18			100	200	2	12	0.2		10			3.5	230	2	10	TO-92-1		
2SC458C	30	30	5	0.2	0.1	0.5	18			160	320	2	12	0.2		10			3.5	230	2	10	TO-92-1		
2SC458D	30	30	5	0.2	0.1	0.5	18			250	500	2	12	0.2		10			3.5	230	2	10	TO-92-1		
2SC460	30	30	5	0.2	0.1	0.5	18			35	200	2	12	1.1		10			3.5	230	2	5	1	TO-92-1	
2SC460A	30	30	5	0.2	0.1	0.5	18			35	70	2	12	1.1		10			3.5	230	2	5	1	TO-92-1	
2SC460B	30	30	5	0.2	0.1	0.5	18			60	120	2	12	1.1		10			3.5	230	2	5	1	TO-92-1	
2SC460C	30	30	5	0.2	0.1	0.5	18			100	200	2	12	1.1		10			3.5	230	2	5	1	TO-92-1	
2SC535	30	20	4	0.1	0.02					35	200	1	6	0.25		20		1.2	450	940	5	5.5	100	TO-92-1	
2SC536	40	30	5	0.4	0.1	0.1	35			60	960	1	6	0.5		50		3.5	100	100	1		TO-92-1		
2SC536D	40	30	5	0.4	0.1	0.1	35			60	120	1	6	0.5		50		3.5	100	100	1		TO-92-1		
2SC536E	40	30	5	0.4	0.1	0.1	35			100	200	1	6	0.5		50		3.5	100	100	1		TO-92-1		
2SC536F	40	30	5	0.4	0.1	0.1	35			160	320	1	6	0.5		50		3.5	100	100	1		TO-92-1		
2SC536G	40	30	5	0.4	0.1	0.1	35			280	560	1	6	0.5		50		3.5	100	100	1		TO-92-1		
2SC536H	40	30	5	0.4	0.1	0.1	35			480	960	1	6	0.5		50		3.5	100	100	1		TO-92-1		
2SC536K	55	50	5	0.4	0.1	0.1	35			60	960	1	6	0.5		50		3.5	100	100	1		TO-92-1		
2SC752GTM	40	15	5	0.4	0.2	0.1	40			70	240	10	1	0.3		1.3	20	6	200	400		10	TO-92-1		
2SC752GTMO	40	15	5	0.4	0.2	0.1	40			20	100	1	1	0.3		1	20	4	6	200	400		10	TO-92-1	
2SC752GTMY	40	15	5	0.4	0.2	0.1	40			120	240	10	1	0.3		1	20	6	4	200	400		10	TO-92-1	
2SC763	25	12	3		0.02	0.5	12			20	300	1	6			1.5			400		1		TO-92		
2SC9022	50	40	5	0.3	0.1	0.5	30			82	820	1	6	0.4		50	2	3.5	180		2		TO-92-1		
2SC945	60	50	5	0.25	0.1	0.1	60			50		0.1	6	0.3		1	100	3	4	150	250	450	10	15	TO-92-1
2SC945K	60	50	5	0.25	0.1	0.1	60			90	600	1	6			1	100	3	4	150	250	450	10	15	TO-92-1
2SC945P	60	50	5	0.25	0.1	0.1	60			50		0.1	6	0.3		1	100	3	4	250	150	450	10	15	TO-92-1
2SC945Q	60	50	5	0.25	0.1	0.1	60			200	400	1	6			1	100	3	4	150	250	450	10	15	TO-92-1
2SC945R	60	50	5	0.25	0.1	0.1	60			50		0.1	6	0.3		1	100	3	4	150	250	450	10	15	TO-92-1
										90	180	1	6			1	100	3	4	150	250	450	10	15	TO-92-1

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