

TO-92 Plastic Package Transistors (NPN)

Maximum Ratings							Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																	
Type No.	V _{CEO} (V) Min	V _{CEQ} (V) Min	V _{EBO} (V) Min	P _D (W) @Tc=25°C	I _C (A)	I _{CBO} (μA) Max	V _{CB} (V) @ I _C	I _{CES} (μA) Max	V _{CE} (V) @ I _{CES}	h _{FE} @ I _C & V _{CE}	I _C (mA)	V _{CE} (V)	V _{CE(SAT)} (V) Max	V _{BE(SAT)} (V) Max	I _C (mA) @ I _{CE}	C _{ob} (pF) Typ	f _t (MHz) Min	@ Typ	I _C (mA)	t _{off} (ns) Max	N _F (dB) Max	@ Freq (MHz)	C _{re} (pF) Max	CDIL Case Style
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	3.5				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 20 100	10 1 100 1		0.3	1.3	20	6	200 400		10					TO-92-1
2SC752GTMO	40	15	5	0.4	0.2	0.1	40			70 140 20 100	10 1 100 1		0.3	1	20	4	200 400		10					TO-92-1
2SC752GTMY	40	15	5	0.4	0.2	0.1	40			120 240 20 100	10 1 100 1		0.3	1	20	6	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 90 600 1	0.1 6 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			50 300 600 1	0.1 6 1 6		0.3	1	100	3 4	150 250 450		10		15			TO-92-1
2SC945P	60	50	5	0.25	0.1	0.1	60			50 200 400 1	0.1 6 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			50 135 270 1	0.1 6 1 6		0.3	1	100	3 4	150 250 450		10		15			TO-92-1
2SC945R	60	50	5	0.25	0.1	0.1	60			50 90 180 1	0.1 6 1 6		0.3	1	100	3 4	150 250 450		10		15			TO-92-1

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