

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 _{EB0} (V)	P _D (W)	I _C (A)	I _{CS0} (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)	t _{on} (ns)	N _F (dB)	Freq (MHz)	C _{ie} (pF)	CDIL Case Style	
	Min	Min	Min	@ Tc=25°C		Max	@ (V)	Max	@ (V)	Min	Max	Max	Min	Max	Typ	Max	Min	Max	Max	Max	Max	
2N6517	350	350	6	0.625	0.5	0.05	250			20	1 10	0.3	0.75	10	6	40	200	10	3.5			TO-92
										30	10 10	0.35	0.85	20								
										30	200 30 10	0.5	0.9	30								
										20	200 50 10	1		50								
										15	100 10											
2SC1008	80	60	8	0.8	0.7	0.1	60			40	400 50 2	0.4	1.1	500	8	30	50	50				TO-92
2SC1008G	80	80	8	0.8	0.7	0.1	60			200	400 50 2	0.4	1.1	500	8	30	50	50				TO-92
2SC1008O	80	60	8	0.8	0.7	0.1	60			70	140 50 2	0.4	1.1	50	8	30	50	50				TO-92
2SC1008R	80	60	8	0.8	0.7	0.1	60			40	80 50 2	0.4	1.1	500	8	30	50	50				TO-92
2SC1008Y	80	60	5	0.8	0.7	0.1	60			120	240 50 2	0.4	1.1	500	8	30	50	50				TO-92
2SC1213	35	35	4	0.4	0.5	0.5	20			60	320 10 3	0.6		150								TO-92-1
										10	500 3											
2SC1213A	50	50	4	0.4	0.5	0.5	20			60	320 10 3	0.6	1.2	150	7	60	120	10				TO-92-1
										10	500 3											
2SC1213AE	50	50	4	0.4	0.5	0.5	20			60	120 10 3	0.6	1.2	150	7	60	120	10				TO-92-1
										10	500 3											
2SC1213AC	50	50	4	0.4	0.5	0.5	20			100	200 10 3	0.6	1.2	150	7	60	120	10				TO-92-1
										10	500 3											
2SC1213AD	50	50	4	0.4	0.5	0.5	20			160	320 10 3	0.6	1.2	150	7	15	120	10				TO-92-1
										10	500 3											
2SC1213B	35	35	4	0.4	0.5	0.5	20			60	120 10 3	0.6		150								TO-92-1
										10	500 3											
2SC1213C	35	35	4	0.4	0.5	0.5	20			100	200 10 3	0.6		150								TO-92-1
										10	500 3											
2SC1213D	35	35	4	0.4	0.5	0.5	20			160	320 10 3	0.6		150								TO-92-1
										10	500 3											
2SC1393	30	30	4	0.25	0.02	0.1	20			40	180 2 10					400	700	3	3	200	0.5	TO-92-3
2SC1393O	30	30	4	0.25	0.02	0.1	20			60	140 2 10					400	700	3	3	200	0.5	TO-92-3
2SC1393R	30	30	4	0.25	0.02	0.1	20			40	80 2 10					400	700	3	3	200	0.5	TO-92-3
2SC1393Y	30	30	4	0.25	0.02	0.1	20			90	180 2 10					400	700	3	3	200	0.5	TO-92-3
2SC1394	30	30	4	0.25	0.02	0.1	20			40	180 2 10	0.7		10		400	700	3	3.5	200	0.5	TO-92-3
2SC1394O	30	30	4	0.25	0.02	0.1	20			60	140 2 10	0.7		10		400	700	3				TO-92-3
2SC1394R	30	30	4	0.25	0.02	0.1	20			40	80 2 10	0.7		10		400	700	3.5				TO-92-3
2SC1394Y	30	30	4	0.25	0.02	0.1	20			90	180 2 10	0.7		10		400	700	3				TO-92-3
2SC1395	30	15	4	0.25		0.1	12			40	240 5 10	0.5		10	1.5	600		5				TO-92-3
2SC1730	30	15	5	0.25	0.05	0.1	12			40	240 5 10	0.5		10	1.5	800		5				TO-92-1
2SC1730O	30	15	5	0.25	0.05	0.1	12			70	240 5 10	0.5		10	1.5	800		5				TO-92-1
2SC1730R	30	15	5	0.25	0.05	0.1	12			40	80 5 10	0.5		10	1.5	800		5				TO-92-1
2SC1730Y	30	15	5	0.25	0.05	0.1	12			120	240 5 10	0.5		10	1.5	800		5				TO-92-1

* NOTE : hFE value are K.

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