



DEVICE	TYPE	CASE STYLE	V <sub>CB0</sub> Min	V <sub>CEO</sub> Min	V <sub>EBO</sub> Min	I <sub>CBO</sub> Max	V <sub>CB</sub>	h <sub>FE</sub> Min-Max	I <sub>C</sub> &	V <sub>CE</sub>	V <sub>CE(sat)</sub> Max	V <sub>BE(sat)</sub> Max	I <sub>C</sub>	C <sub>ob</sub> Max	f <sub>T</sub> Min	I <sub>C</sub>	t <sub>off</sub> Max
2N2219A	NPN	TO-5	75V	40V	6V	10nA	@ 60V	100-300	@ 150mA/10V		0.3V	1.2V	@ 150mA	8pF	300MHz @ 20mA		285ns
2N2222A	NPN	TO-18	75V	40V	6V	10nA	@ 60V	100-300	@ 150mA/10V		0.3V	1.2V	@ 150mA	8pF	300MHz @ 20mA		285ns
2N2369A	NPN	TO-18	40V	15V	4.5V	400nA	@ 20V	40-120	@ 10mA/1V		0.2	0.7V	@ 10mA	4pF	500MHz @ 10mA		18ns
2N2905A	PNP	TO-5	60V	60V	5V	10nA	@ 50V	100-300	@ 150mA/10V		0.4V	1.3V	@ 150mA	8pF	200MHz @ 50mA		100ns
2N2907A	PNP	TO-18	60V	60V	5V	10nA	@ 50V	100-300	@ 150mA/10V		0.4V	1.3V	@ 150mA	8pF	200MHz @ 50mA		100ns
2N2925	NPN	TO92-2	25V	25V	5V	100nA	@ 25V	235-470	@ 2mA/10V					10pF			
2N3390	NPN	TO92-2	25V	25V	5V	100nA	@ 18V	400-800	@ 2mA/4.5V					10pF			
2N3391A	NPN	TO92-2	25V	25V	5V	100nA	@ 18V	250-500	@ 2mA/4.5V					10pF			
2N3415	NPN	TO92-2	25V	25V	5V	100nA	@ 25V	180-540	@ 2mA/4.5V		0.3V	1.3V	@ 50mA				
2N3563	NPN	TO92	30V	15V	2V	50nA	@ 15V	20-200	@ 8mA/10V					1.7pF	600MHz @ 8mA		
2N3641	NPN	TO92	60V	30V	5V	50nA	@ 50V	40-120	@ 150mA/10V		0.22V		@ 150mA	8pF	250MHz @ 50mA		
2N3694	NPN	TO92	45V	45V	4V	50nA	@ 30V	100-400	@ 10mA/1V					6pF	200MHz @ 10mA		
2N3702	PNP	TO92-2	40V	25V	5V	100nA	@ 20V	60-300	@ 50mA/5V		0.25V		@ 50mA	12pF	100MHz @ 50mA		
2N3704	NPN	TO92-2	50V	30V	5V	100nA	@ 20V	100-300	@ 50mA/2V		0.6V		@ 100mA	12pF	100MHz @ 50mA		
2N3903	NPN	TO92	60V	40V	6V	50nA	@ 30V	50-150	@ 10mA/1V		0.2V	0.85V	@ 10mA	4pF	250MHz @ 10mA		225ns
2N3904	NPN	TO92	60V	40V	6V	50nA	@ 30V	100-300	@ 10mA/1V		0.2V	0.85V	@ 10mA	4pF	300MHz @ 10mA		250ns
2N3905	PNP	TO92	40V	40V	5V	50nA	@ 30V	50-150	@ 10mA/1V		0.25V	0.85V	@ 10mA	4.5pF	200MHz @ 10mA		260ns
2N3906	PNP	TO92	40V	40V	5V	50nA	@ 30V	100-300	@ 10mA/1V		0.25V	0.85V	@ 10mA	4.5pF	250MHz @ 10mA		300ns
2N3933	NPN	TO-72	40V	30V	2.5V	10nA	@ 15V	60-200	@ 2mA/8V					0.55pF	750MHz @ 2mA		
2N4121	PNP	TO92	40V	40V	5V	25nA	@ 30V	70-200	@ 10mA/1V		0.13V	0.75V	@ 1mA	4.5pF	400MHz @ 10mA		150ns
2N4123	NPN	TO92	40V	30V	5V	50nA	@ 20V	50-150	@ 2mA/1V		0.3V	0.95V	@ 50mA	4pF	250MHz @ 10mA		
2N4124	NPN	TO92	30V	25V	5V	50nA	@ 20V	120-360	@ 2mA/1V		0.3V	0.95V	@ 50mA	4pF	300MHz @ 10mA		
2N4125	PNP	TO92	30V	30V	4V	50nA	@ 20V	50-150	@ 2mA/1V		0.4V	0.95V	@ 50mA	4.5pF	200MHz @ 10mA		
2N4126	PNP	TO92	25V	25V	4V	50nA	@ 20V	120-360	@ 2mA/1V		0.4V	0.95V	@ 50mA	4.5pF	250MHz @ 10mA		
2N4248	PNP	TO92	40V	40V	5V	10nA	@ 40V	50 Min.	@ 0.1mA/5V		0.25V		@ 10mA	6pF			
2N4258	PNP	TO92	12V	12V	4.5V	10nA	@ 6V	30-120	@ 10mA/3V		0.15V	0.95V	@ 10mA	3pF	700MHz @ 10mA		20ns
2N4400	NPN	TO92	60V	40V	6V	100nA	@ 35V	50-150	@ 150mA/1V		0.4V	0.95V	@ 150mA	6.5pF	200MHz @ 20mA		255ns
2N4401	NPN	TO92	60V	40V	6V	100nA	@ 35V	100-300	@ 150mA/1V		0.4V	0.95V	@ 150mA	6.5pF	250MHz @ 20mA		255ns
2N4402	PNP	TO92	40V	40V	5V	100nA	@ 35V	50-150	@ 150mA/1V		0.4V	0.95V	@ 150mA	10pF	150MHz @ 20mA		255ns
2N4403	PNP	TO92	40V	40V	5V	100nA	@ 35V	100-300	@ 150mA/1V		0.4V	0.95V	@ 150mA	10pF	200MHz @ 20mA		255ns
2N4409	NPN	TO92	80V	50V	5V	10nA	@ 60V	60-400	@ 10mA/1V		0.2V	0.8V	@ 1mA	12pF	60MHz @ 10mA		
2N4410	NPN	TO92	120V	80V	5V	10nA	@ 100V	60-400	@ 10mA/1V		0.2V	0.8V	@ 1mA	12pF	60MHz @ 10mA		
2N4424	NPN	TO92-2	40V	40V	5V	100nA	@ 25V	180-540	@ 2mA/4.5V		0.3V	1.3V	@ 50mA				
2N5086	PNP	TO92	50V	50V	3V	50nA	@ 35V	150-500	@ 0.1mA/5V		0.3V		@ 10mA	4pF	40MHz @ 0.5mA		
2N5087	PNP	TO92	60V	50V	3V	50nA	@ 35V	250-800	@ 0.1mA/5V		0.3V		@ 10mA	4pF	40MHz @ 0.5mA		
2N5088	NPN	TO92	35V	30V	4.5V	50nA	@ 20V	300-900	@ 0.1mA/5V		0.5V	0.8V	@ 10mA	4pF	50MHz @ 0.5mA		
2N5089	NPN	TO92	30V	25V	4.5V	50nA	@ 15V	400-1200	@ 0.1mA/5V		0.5V	0.8V	@ 10mA	4pF	50MHz @ 0.5mA		
2N5138	PNP	TO92	30V	30V	5V	50nA	@ 20V	50-800	@ 0.1mA/10V		0.3V	1.0V	@ 10mA	7pF	30MHz @ 0.5mA		
2N5172	NPN	TO-92-2	25V	25V	5V	100nA	@ 25V	100-500	@ 10mA/10V		0.25V		@ 10mA	10pF			
2N5179	NPN	TO-72	20V	20V	2.5V	20nA	@ 15V	25-250	@ 3mA/1V		0.4V	1.0V	@ 10mA	1pF	900MHz @ 5mA		
2N5209	NPN	TO92	50V	50V	4.5V	50nA	@ 35V	100-300	@ 0.1mA/5V		0.7V	0.85V	@ 10mA	4pF	30MHz @ 0.5mA		
2N5210	NPN	TO92	50V	50V	4.5V	50nA	@ 35V	200-600	@ 0.1mA/5V		0.7V	0.85V	@ 10mA	4pF	30MHz @ 0.5mA		
2N5223	NPN	TO92	25V	20V	3V	100nA	@ 10V	50-800	@ 2mA/10V		0.7V	1.2V	@ 10mA	4pF	150MHz @ 10mA		
2N5225	NPN	TO92	25V	25V	4V	300nA	@ 15V	30-600	@ 50mA/10V		0.8V	1.0V	@ 100mA	20pF	50MHz @ 20mA		
2N5323	PNP	TO-39	75V	75V	5V	5uA	@ 60V	40-250	@ 500mA/4V		1.2V		@ 500mA		50MHz @ 50mA		
2N5400	PNP	TO92	130V	120V	5V	100nA	@ 100V	40-180	@ 10mA/5V		0.2V	1.0V	@ 10mA	6pF	100MHz @ 10mA		
2N5401	PNP	TO92	160V	150V	5V	50nA	@ 120V	60-240	@ 10mA/5V		0.2V	1.0V	@ 10mA	6pF	100MHz @ 10mA		
2N5447	PNP	TO92-38	40V	25V	5V	100nA	@ 20V	60-300	@ 50mA/5V		0.25V	1.0V	@ 50mA	12pF	100MHz @ 50mA		
2N5449	NPN	TO92-38	50V	30V	5V	100nA	@ 20V	100-300	@ 50mA/2V		0.6V	1.0V	@ 100mA	12pF	100MHz @ 50mA		
2N5550	NPN	TO92	160V	140V	6V	100nA	@ 100V	60-250	@ 10mA/5V		0.15V	1.0V	@ 10mA	6pF	100MHz @ 10mA		
2N5551	NPN	TO92	180V	160V	6V	50nA	@ 120V	80-250	@ 10mA/5V		0.15V	1.0V	@ 10mA	6pF	100MHz @ 10mA		
2N5770	NPN	TO92	30V	15V	4.5V	10nA	@ 15V	50-200	@ 8mA/10V		0.4V	1.0V	@ 10mA	1.1pF	900MHz @ 8mA		
2N5771	PNP	TO92	15V	15V	4.5V	10nA	@ 8V	50-120	@ 10mA/0.3V		0.15V	0.8V	@ 1mA	3pF	850MHz @ 10mA		20ns
2N5772	NPN	TO92	40V	15V	5V	500nA	@ 20V	30-120	@ 30mA/0.4V		0.2V	0.95V	@ 30mA	5pF	350MHz @ 30mA		28ns
2N5830	NPN	TO92	120V	100V	5V	50nA	@ 100V	80-500	@ 10mA/5V		0.15V	0.8V	@ 1mA		100MHz @ 10mA		
2N918	NPN	TO-72	30V	15V	3V	10nA	@ 15V	20 Min.	@ 3mA/1V		0.4V	1.0V	@ 10mA	3pF	600MHz @ 4mA		
MPS3392	NPN	TO92	25V	25V	5V	100nA	@ 18V	150-300	@ 2mA/4.5V					3.5pF			
MPS3638A	PNP	TO92	25V	25V	4V	25nA	@ 15V	100 Min.	@ 50mA/1V		0.25V	1.1V	@ 50mA	10pF	150MHz @ 50mA		170ns
MPS3640	PNP	TO92	12V	12V	4V	10nA	@ 6V	30-120	@ 10mA/0.3V		0.2V	1.0V	@ 10mA	3.5pF	300MHz @ 10mA		75ns
MPS3646	NPN	TO92	40V	15V	5V	500nA	@ 20V	30-120	@ 30mA/0.4V		0.2V	0.95V	@ 30mA	5pF	350MHz @ 30mA		28ns
MPS3694	NPN	TO92	45V	45V	4V	50nA	@ 35V	100-400	@ 10mA/10V					3.5pF	200MHz @ 10mA		
MPS3702	PNP	TO92	40V	25V	5V	100nA	@ 20V	60-300	@ 50mA/5V		0.25V		@ 50mA	12pF	100MHz @ 50mA		
MPS3704	NPN	TO92	50V	30V	5V	100nA	@ 20V	100-300	@ 50mA/2V		0.6V		@ 100mA	12pF	100MHz @ 50mA		
MPS4355	PNP	TO92	60V	60V	5V	50nA	@ 50V	100-400	@ 10mA/10V		0.15V	0.9V	@ 150mA	30pF	100MHz @ 50mA		400ns
MPS5172	NPN	TO92	25V	25V	5V	100nA	@ 25V	100-500	@ 10mA/10V		0.25V		@ 10mA	10pF			
MPS6512	NPN	TO92	40V	30V	4V	50nA	@ 30V	50-100	@ 2mA/10V		0.5V		@ 50mA	3.5pF			
MPS6514	NPN	TO92	40V	25V	4V	50nA	@ 30V	150-300	@ 2mA/10V		0.5V		@ 50mA	3.5pF			
MPS6515	NPN	TO92	40V	25V	4V	50nA	@ 30V	250-500	@ 2mA/10V		0.5V		@ 50mA	3.5pF			
MPS6517	PNP	TO92	40V	40V	4V	50nA	@ 30V	90-180	@ 2mA/10V		0.5V		@ 50mA	4pF			
MPS6518	PNP	TO92	40V	40V	4V	50nA	@ 30V	150-300	@ 2mA/10V		0.5V		@ 50mA	4pF			

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