

N-Channel Junction Field Effect Transistors

SWITCHING/CHOPPING

TYPE NO.	CASE	MAXIMUM RATINGS		I_{DSS} (mA)		$V_{GS(off)}$ (V)		$r_{ds(on)}$ (ohms)	C_{iss} (pF)	C_{rss} (pF)	t_{on} (ns)	t_{off} (ns)
		P_d (mW)	BV_{GSS} (V)	min	max	min	max	max	max	max	max	max
J111	TO-92DD	625	35	20	—	3	10	30	10	5	13	35
J112	TO-92DD	625	35	5	—	1	5	50	10	5	13	35
J113	TO-92DD	625	35	2	—	0.5	3	100	10	5	13	35
NF510	TO-18	500	30	5	—	0.5	10	100	15+	—	20	80
2N3966	TO-72DH	300▲	30	2	—	4	6	220	6	1.5	120	100
2N3970	TO-18	1800▲	40	50	150	4	10	30	25	6	20	30
2N3971	TO-18	1800▲	40	25	75	2	5	60	25	6	20	60
2N3972	TO-18	1800▲	40	5	30	0.5	3	100	25	6	80	100
2N4091	TO-18	1800▲	40	30	—	5	10	30	16	5	25	40
2N4092	TO-18	1800▲	40	15	—	2	7	50	16	5	35	60
2N4093	TO-18	1800▲	40	8	—	1	5	80	16	5	60	80
2N4391	TO-18	1800▲	40	50	150	4	10	30	14	3.5	15	20
2N4392	TO-18	1800▲	40	25	75	2	5	60	14	3.5	15	35
2N4393	TO-18	1800▲	40	5	30	0.5	3	100	14	3.5	15	50
2N4856	TO-18	360	40	50	—	4	10	25	18	8	9	25
2N4856A	TO-18	360	40	50	—	4	10	25	10	4	8	20
2N4857	TO-18	360	40	20	100	2	6	40	18	8	10	50
2N4857A	TO-18	360	40	20	100	2	6	40	10	3.5	10	40
2N4858	TO-18	360	40	8	80	0.8	4	60	18	8	20	100
2N4858A	TO-18	360	40	8	80	0.8	4	60	10	3.5	16	80
2N4859	TO-18	360	30	50	—	4	10	25	18	8	9	25
2N4859A	TO-18	360	30	50	—	4	10	25	10	4	8	20
2N4860	TO-18	360	30	20	100	2	6	40	18	8	10	50
2N4860A	TO-18	360	30	20	100	2	6	40	10	3.5	10	40
2N4861	TO-18	360	30	8	80	0.8	4	60	18	8	20	100
2N4861A	TO-18	360	30	8	80	0.8	4	60	10	3.5	16	80
2N5555	TO-92DD	310	25	15	—	—	—	150	5	1.2	5	15
2N5638	TO-92DD	310	30	50	—	—	—	150	10	4	9	15
2N5639	TO-92DD	310	30	25	—	—	—	60	10	4	14	30
2N5640	TO-92DD	310	30	5	—	—	—	100	10	4	18	45
2N5653	TO-92DD	310	30	40	—	—	—	50	10	3.5	9	15
2N5654	TO-92DD	310	30	15	—	—	—	100	10	3.5	14	30

▲ at $T_c = 25^\circ\text{C}$ + Typical value