

JFET Selection Guide



SWITCHES/CHOPPERS

N-Channel JFETs

Type No.	Case Style	BV _{GSS} BV _{GDO} (V) @ I _G Min (μA)	I _{GSS} I _{DGO} (nA) @ V _{DG} Max (V)	I _{D(off)} (nA) @ V _{DS} V _{GS} Max (V) (V)	V _p (V) @ V _{DS} I _D Min Max (V) (nA)	I _{DSS} (mA) @ V _{DS} Min Max (V)	r _{ds(on)} (Ω) @ I _D Max (mA)	C _{iss} (pF) @ V _{DS} V _{GS} Max (V) (V)	C _{rss} (pF) @ V _{DS} V _{GS} Max (V) (V)	t _{on} (ns) Max	t _{off} (ns) Max	Process No.	Pkg. No.
2N3824	TO-72	50 1	0.1 30	0.1 15 -8	8 15 0.1		250	6 15 0	3 0 -8			55	25
2N3966	TO-72	30 1	1 20	0.1 10 -7	4 6 10 10	2 20	220	6 20 0	1.5 0 -7			50	25
2N3970	TO-18	40 1	0.25* 20	0.25 20 -12	4 10 20 1	50 150 20	30 1	25 20 0	6 0 -12	20 30	51 02		
2N3971	TO-18	40 1	0.25* 20	0.25 20 -12	2 5 20 1	25 75 20	60 1	25 20 0	6 0 -12	130 60	51 02		
2N3972	TO-18	40 1	0.25* 20	0.25 20 -12	0.5 3 20 1	5 30 20	100 1	25 20 0	6 0 -12	80 100	51 02		
2N4091	TO-18	40 1	0.2* 20	0.2 20 -12	5 10 20 1	30 20	30 1	16 20 0	5 0 -20	25 40	51 02		
2N4092	TO-18	40 1	0.2* 20	0.2 20 -8	2 7 20 1	15 20	50 1	16 20 0	5 0 -20	35 60	51 02		
2N4093	TO-18	40 1	0.2* 20	0.2 20 -6	1 5 20 1	8 20	80 1	16 20 0	5 0 -20	60 80	51 02		
2N4391	TO-18	40 1	0.1 20	0.1 20 -12	4 10 20 1	50 150 20	30 1	14 20 0	3.5 0 -12	20 35	51 02		
2N4392	TO-18	40 1	0.1 20	0.1 20 -7	2 5 20 1	25 75 20	60 1	14 20 0	3.5 0 -7	20 55	51 02		
2N4393	TO-18	40 1	0.1 20	0.1 20 -5	0.5 3 20 1	5 30 20	100 1	14 20 0	3.5 0 -5	20 80	51 02		
2N4856	TO-18	40 1	0.25 20	0.25 15 -10	4 10 15 0.5	50 15	25	18 0 -10	8 0 -10	9 25	51 02		
2N4856A	TO-18	40 1	0.25 20	0.25 15 -10	4 10 15 0.5	50 15	25	10 0 -10	4 0 -10	8 20	51 02		
2N4857	TO-18	40 1	0.25 20	0.25 15 -10	2 6 15 0.5	20 100 15	40	18 0 -10	8 0 -10	10 50	51 02		
2N4857A	TO-18	40 1	0.25 20	0.25 15 -10	2 6 15 0.5	20 100 15	40	10 0 -10	3.5 0 -10	10 40	51 02		
2N4858	TO-18	40 1	0.25 20	0.25 15 -10	0.8 4 15 0.5	8 80 15	60	18 0 -10	8 0 -10	20 100	51 02		
2N4858A	TO-18	40 1	0.25 20	0.25 15 -10	0.8 4 15 0.5	8 80 15	60	10 0 -10	3.5 0 -10	16 80	51 02		
2N4859	TO-18	30 1	0.25 15	0.25 15 -10	4 10 15 0.5	50 15	25	18 0 -10	8 0 -10	9 25	51 02		
2N4859A	TO-18	30 1	0.25 15	0.25 15 -10	4 10 15 0.5	50 15	25	10 0 -10	4 0 -10	8 20	51 02		
2N4860	TO-18	30 1	0.25 15	0.25 15 -10	2 6 15 0.5	20 100 15	40	18 0 -10	8 0 -10	10 50	51 02		
2N4860A	TO-18	30 1	0.25 15	0.25 15 -10	2 6 15 0.5	20 100 15	40	10 0 -10	3.5 0 -10	10 40	51 02		
2N4861	TO-18	30 1	0.25 15	0.25 15 -10	0.8 4 15 0.5	8 80 15	60	18 0 -10	8 0 -10	20 100	51 02		
2N4861A	TO-18	30 1	0.25 15	0.25 15 -10	0.8 4 15 0.5	8 80 15	60	10 0 -10	3.5 0 -10	16 80	51 02		
2N5432	TO-52	25 1	0.2 15	0.2 5 -10	4 10 5 3	150 15	5 10	30 0 -10	15 0 -10	5 36	58 07		
2N5433	TO-52	25 1	0.2 15	0.2 5 -10	3 9 5 3	100 15	7 10	30 0 -10	15 0 -10	5 36	58 07		
2N5434	TO-52	25 1	0.2 15	0.2 5 -10	1 4 5 3	30 15	10 10	30 0 -10	15 0 -10	5 36	58 07		
2N5555	TO-92	25 10	1 15	10 12 -10	(10)	15 15	150	5 15 0	1.2 0 -10	10 25	50 92		
2N5638	TO-92	30 10	1 15	1 15 -12	(12)	50 20	30 1	10 0 -12	4 0 -12		51 92		
2N5639	TO-92	30 10	1 15	1 15 -8	(8)	25 20	60 1	10 0 -12	4 0 -8		51 92		
2N5640	TO-92	30 10	1 15	1 15 -6	(6)	5 20	100 1	10 0 -12	4 0 -6		51 92		