N-Channel JFETs

ELECTRICAL CHARACTERISTICS at T_A = 25°C

Device Type	$V_{(BR)GSS}$ Min (V)	@ I_G (μA)	I_{GSS} Max. (nA)	@ V_{GS} (V)	$V_{GS(off)}$ Limits Min. (V)	Limits Max (V)	Conditions V_{DS} (V)	Conditions I_D (nA)	I_{DSS} Min. (mA)	I_{DSS} Max. (mA)	@ V_{DS} (V)	g_{fs} Min. (mS)	g_{fs} Max. (mS)	@ V_{DS} (V)	C_{iss}[1] Max. (pF)	@ V_{DS} (V)	C_{rss}[1] Max. (pF)	@ V_{DS} (V)	r_{DS} Max. (Ω)	Process
TP5951	−30	−1.0	−1.0	−15	−2.0	−5.0	15	100	7.0	13	15	3.0	—	15	6.0	15	2.0	15	—	NJ32
TP5952	−30	−1.0	−1.0	−15	−1.3	−3.5	−15	100	4.0	8.0	15	1.0	—	15	6.0	15	2.0	15	—	NJ32
TP5953	−30	−1.0	−1.0	−15	−0.8	−3.0	15	100	2.5	5.0	15	1.0	—	15	6.0	15	2.0	15	—	NJ32
TP6449	−300	−10	100	−150	−2.0	−15	30	4.0	2.0	10	30	0.5	3.0	30	10	30	5.0	30	—	NJ42
TP6450	−200	−10	100	−100	−2.0	−15	30	4.0	2.0	10	30	0.5	3.0	30	10	30	5.0	30	—	NJ42
TP6451	−20	−1.0	−1.0	−10	−0.5	−3.5	10	1.0	5.0	20	10	—	—	—	25	10	5.0	10	—	NJ132L
TP6452	−25	−1.0	−1.0	−15	−0.5	−3.5	10	1.0	5.0	20	10	—	—	—	25	10	5.0	10	—	NJ132L
TP6453	−20	−1.0	−1.0	−10	−0.75	−5.0	10	1.0	15	50	10	—	—	—	25	10	5.0	10	—	NJ132L
TP6454	−25	−1.0	−1.0	−15	−0.75	−5.0	10	1.0	15	50	10	—	—	—	25	10	5.0	10	—	NJ132L
BF244A	−30	−1.0	−5	−20	−0.5	−8.0	15	10	2.0	6.5	15	3.0	6.5	15	—	—	—	—	—	NJ26
BF244B	−30	−1.0	−5	−20	−0.5	−8.0	15	10	6.0	15	15	3.0	6.5	15	—	—	—	—	—	NJ26
BF244C	−30	−1.0	−5	−20	−0.5	−8.0	15	10	12	25	15	3.0	6.5	15	—	—	—	—	—	NJ26
BF246A	−25	−1.0	−5	−15	−0.6	−14.5	15	10	30	80	15	—	—	—	—	—	—	—	65	NJ132
BF246B	−25	−1.0	−5	−15	−0.6	−14.5	15	10	60	140	15	—	—	—	—	—	—	—	50	NJ132
BF246C	−25	−1.0	−5	−15	−0.6	−14.5	15	10	110	250	15	—	—	—	—	—	—	—	35	NJ132
BF256A	−30	−1.0	−5	−20	−0.5	−7.5	15	10	3.0	7.0	15	4.5	—	15	4.5	15	1.2	15	—	NJ26
BF256B	−30	−1.0	−5	−20	−0.5	−7.5	15	10	6.0	13	15	4.5	—	15	4.5	15	1.2	15	—	NJ26
BF256C	−30	−1.0	−5	−20	−0.5	−7.5	15	10	11	18	15	4.5	—	15	4.5	15	1.2	15	—	NJ26
BFR30	−25	−1.0	−0.2	−10	—	−5.0	10	0.5	4.0	10	10	1.0	4.0	10^6	5.0	10^6	1.5	10^6	—	NJ26
BFR31	−25	−1.0	−0.2	−10	—	−2.5	10	0.5	1.0	5.0	10	1.5	4.5	10^6	5.0	10^6	1.5	10^6	—	NJ26
J111	−35	−1.0	−1.0	−15	−3.0	−10	5.0	1.0[2]	20	—	15	—	—	—	16	15	5	−10[3]	30	NJ132
J111A	−40	−1.0	−0.2	−15	−5.0	−10	5.0	1.0[2]	30	—	15	—	—	—	16	15	5	−10[3]	30	NJ132
J112	−35	−1.0	−1.0	−15	−1.0	−5.0	5.0	1.0[2]	5.0	—	15	—	—	—	16	15	5	−10[3]	50	NJ99
J112A	−40	−1.0	−0.2	−15	−2.0	−7.0	5.0	1.0[2]	15	—	15	—	—	—	16	15	5	−10[3]	50	NJ99
J113	−35	−1.0	−1.0	−15	—	−3.0	5.0	1.0[2]	2.0	—	15	—	—	—	16	15	5	−10[3]	100	NJ99
J113A	−40	−1.0	−0.2	−15	−1.0	−5.0	5.0	1.0[2]	8.0	—	15	—	—	—	16	15	5	−10[3]	80	NJ99
J201	−40	−1.0	−0.1	−20	−0.3	−1.5	20	10	0.2	1.0	20	0.5	—	20	4.0	20	1.0	20	—	NJ16
J202	−40	−1.0	−0.1	−20	−0.8	−4.0	20	10	0.9	4.5	20	1.0	—	20	4.0	20	1.0	20	—	NJ16
J203	−40	−1.0	−0.1	−20	−2.0	−10	20	10	4.0	20	20	1.5	—	20	6.0	20	1.2	20	—	NJ32
J210	−25	−1.0	−0.1	−15	−1.0	−3.0	15	1.0	2.0	15	15	4.0	12	15	—	—	—	—	—	NJ26L
J211	−25	−1.0	−0.1	−15	−2.5	−4.5	15	1.0	7.0	20	15	6.0	12	15	—	—	—	—	—	NJ26L
J212	−25	−1.0	−0.1	−15	−4.0	−6.0	15	1.0	15	40	15	7.0	12	15	—	—	—	—	—	NJ26L
J230	−40	−1.0	−0.2	−30	−0.5	−3.0	20	1.0[2]	0.7	3.0	20	1.0	3.5	20	—	—	—	—	—	NJ16
J231	−40	−1.0	−0.2	−30	−1.5	−5.0	20	1.0[2]	2.0	6.0	20	1.5	4.0	20	—	—	—	—	—	NJ16
J232	−40	−1.0	−0.2	−30	−3.0	−6.0	20	1.0[2]	5.0	10	20	2.5	5.0	20	—	—	—	—	—	NJ16
J300A	−25	−1.0	−0.5	−15	−1.5	−3.0	10	1.0	4.0	9.0	10	4.5	9.0	10^5	5.5	10^5	1.7	10^5	—	NJ26L
J300B	−25	−1.0	−0.5	−15	−2.0	−4.0	10	1.0	7.0	15	10	4.5	9.0	10^5	5.5	10^5	1.7	10^5	—	NJ26L
J300C	−25	−1.0	−0.5	−15	−2.5	−5.0	10	1.0	12	25	10	4.5	9.0	10^5	5.5	10^5	1.7	10^5	—	NJ26L
J304	−30	−1.0	−0.1	−20	−2.0	−6.0	15	1.0	5.0	15	15	4.5	7.5	15	—	—	—	—	—	NJ26
J305	−30	−1.0	−0.1	−20	−0.5	−3.0	15	1.0	1.0	8.0	15	3.0	—	15	—	—	—	—	—	NJ26
MPF102	−25	−10	−2.0	−15	—	−8.0	15	2.0	2.0	20	15	2.0	7.5	15	7.0	15	3.0	15	—	NJ26
MPF103	−25	−1.0	−1.0	−15	—	−6.0	15	1.0	1.0	5.0	15	1.0	5.0	15	7.0	15	3.0	15	—	NJ32
MPF104	−25	−1.0	−1.0	−15	—	−7.0	15	1.0	2.0	9.0	15	1.5	5.5	15	7.0	15	3.0	15	—	NJ32
MPF105	−25	−1.0	−1.0	−15	—	−8.0	15	1.0	4.0	16	15	2.0	6.0	15	7.0	15	3.0	15	—	NJ26
MPF106	−25	−1.0	−1.0	−20	−0.5	−4.0	15	0.5	4.0	10	15	2.5	—	15	5.0	15	2.0	15	—	NJ26
MPF107	−25	−1.0	−1.0	−20	−2.0	−6.0	15	0.5	8.0	20	15	4.0	—	15	5.0	15	1.2	15	—	NJ26
MPF108	−25	−10	−1.0	−15	−0.5	−8.0	15	10[2]	1.5	24	15	2.0	7.5	15	6.5	15	2.5	15	—	NJ26
MPF109	−25	−1.0	−1.0	−15	−0.2	−8.0	15	10[2]	0.5	24	15	0.8	6.0	15	7.0	15	3.0	15	—	NJ32

NOTES
1) $V_{GS} = 0$ V
2) I_D in μA.
3) $V_{DS} = 0$ V, V_{GS} in volts.
4) $I_D = 10$ mA
5) $I_D = 5.0$ mA
6) $I_D = 1.0$ mA
7) $I_D = 500$ μA
8) $I_D = 200$ μA