N-Channel JFETs

General-Purpose Device Types

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
2N3369	-40	-1.0	-5.0	-30	—	-6.5	20	1.0[2]	0.5	2.5	30	0.6	2.5	30	20	8.0	3.0	30	—	NJ16
2N3370	-40	-1.0	-5.0	-30	—	-3.2	20	1.0[2]	0.1	0.6	30	0.3	2.5	30	20	8.0	3.0	30	—	NJ16
2N3458	-50	-1.0	-0.25	-30	—	7.8	20	1.0[2]	3.0	15	20	2.5	10	20	18	-10[3]	5.0	30	—	NJ16
2N3459	-50	-1.0	-0.25	-30	—	3.4	20	1.0[2]	0.8	4.0	20	1.5	6.0	20	18	-6[3]	5.0	30	—	NJ16
2N3460	-50	-1.0	-0.25	-30	—	1.8	20	1.0[2]	0.2	1.0	20	0.8	4.5	20	18	-4[3]	5.0	30	—	NJ16
2N3821	-50	-1.0	-0.1	-30	—	4.0	10	1.0	0.5	2.5	15	1.5	4.5	15	6.0	15	2.0	15	—	NJ16
2N3822	-50	-1.0	-0.1	-30	—	6.0	10	1.0	2.0	10	15	3.0	6.5	15	6.0	15	2.0	15	—	NJ32
2N3967	-30	-1.0	-0.1	-20	2.0	5.0	20	1.0	2.5	10	20	2.5	—	20	5.0	20[4]	1.3	20[4]	—	NJ26
2N3967A	-30	-1.0	0.1	-20	-2.0	5.0	20	1.0	2.5	10	20	2.5	—	20	5.0	20[4]	1.3	20[4]	—	NJ26
2N3968	-30	-1.0	-0.1	-20	—	-3.0	20	1.0	1.0	5.0	20	2.0	—	20	5.0	20[5]	1.3	20[5]	—	NJ26
2N3968A	-30	-1.0	-0.1	-20	—	3.0	20	1.0	1.0	5.0	20	2.0	—	20	5.0	20[5]	1.3	20[5]	—	NJ26
2N3969	-30	-1.0	-0.1	-20	—	-1.7	20	1.0	0.4	2.0	20	1.3	—	20	5.0	20[6]	1.3	20[6]	—	NJ26
2N3969A	-30	-1.0	-0.1	-20	—	-1.7	20	1.0	0.4	2.0	20	1.3	—	20	5.0	20[6]	1.3	20[6]	—	NJ26
2N4220	-30	-1.0	-0.1	-15	—	-4.0	15	1.0	0.5	3.0	15	1.0	4.0	15	6.0	15	2.0	15	—	NJ16
2N4220A	-30	-1.0	-0.1	-15	—	-4.0	15	1.0	0.5	3.0	15	1.0	4.0	15	6.0	15	2.0	15	—	NJ16
2N4221	30	-1.0	-0.1	-15	—	6.0	15	1.0	2.0	6.0	15	2.0	5.0	15	6.0	15	2.0	15	—	NJ32
2N4221A	30	-1.0	-0.1	-15	—	-6.0	15	1.0	2.0	6.0	15	2.0	5.0	15	6.0	15	2.0	15	—	NJ32
2N4222	-30	-1.0	-0.1	-15	—	-8.0	15	1.0	5.0	15	15	2.5	6.0	15	6.0	15	2.0	15	—	NJ32
2N4222A	-30	-1.0	-0.1	-15	—	-8.0	15	1.0	5.0	15	15	2.5	6.0	15	6.0	15	2.0	15	—	NJ32
2N4338	-50	-1.0	-0.1	-30	-0.3	-1.0	15	100	0.2	0.6	15	0.6	1.8	15	7.0	15	3.0	15	2500	NJ16
2N4339	-50	-1.0	-0.1	-30	-0.6	-1.8	15	100	0.5	1.5	15	0.8	2.4	15	7.0	15	3.0	15	1700	NJ16
2N4340	-50	-1.0	-0.1	-30	-1.0	-3.0	15	100	1.2	3.6	15	1.3	3.0	15	7.0	15	3.0	15	1500	NJ16
2N4341	-50	-1.0	-0.1	-30	-2.0	-6.0	15	100	3.0	9.0	15	2.0	4.0	15	7.0	15	3.0	15	800	NJ16
2N5103	-25	-1.0	-0.1	-15	-0.5	-4.0	15	1.0	1.0	8.0	15	2.0	8.0	15	5.0	15	1.0	15	—	NJ26
2N5104	-25	-1.0	-0.1	-15	-0.5	-4.0	15	1.0	2.0	6.0	15	3.5	7.5	15	5.0	15	1.0	15	—	NJ26
2N5105	-25	-1.0	-0.1	-15	-0.5	-4.0	15	1.0	5.0	15	15	5.0	10	15	5.0	15	1.0	15	—	NJ26
2N5358	-40	-1.0	-0.1	-20	-0.5	-3.0	15	100	0.5	1.0	15	1.0	3.0	15	6.0	15	2.0	15	—	NJ16
2N5359	-40	-1.0	-0.1	-20	-0.8	-4.0	15	100	0.6	1.6	15	1.2	3.6	15	6.0	15	2.0	15	—	NJ16
2N5360	-40	-1.0	-0.1	-20	-0.8	-4.0	15	100	1.5	3.0	15	1.4	4.2	15	6.0	15	2.0	15	—	NJ16
2N5361	-40	-1.0	-0.1	-20	-1.0	-6.0	15	100	2.5	5.0	15	1.5	4.5	15	6.0	15	2.0	15	—	NJ16
2N5362	-40	-1.0	-0.1	-20	-2.0	-7.0	15	100	4.0	8.0	15	2.0	5.5	15	6.0	15	2.0	15	—	NJ32
2N5363	-40	-1.0	-0.1	-20	-2.5	-8.0	15	100	7.0	14	15	2.5	6.0	15	6.0	15	2.0	15	—	NJ32
2N5364	-40	-1.0	-0.1	-20	-2.5	-8.0	15	100	9.0	18	15	2.7	6.5	15	6.0	15	2.0	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 = 1.0 mA
5) I_D = 500 μA
6) I_D = 200 μA

InterFET
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