

N-Channel JFETs

General-Purpose Device Types

ELECTRICAL CHARACTERISTICS at $T_A = 25^\circ\text{C}$

Device Type	V _{DS(on)}		I _{DSS}		V _{GS(off)}				I _{DSS}			g _{fs}			C _{iss} ¹		C _{rss} ¹		r _{DS} Max (Ω)	Pro cess
					Limits		Conditions													
	Min (V)	Max (V)	Min (μA)	Max (μA)	Min (V)	Max (V)	V _{DS} (V)	I _D (nA)	Min (mA)	Max (mA)	V _{GS} (V)	Min (mS)	Max (mS)	V _{DS} (V)	Max (pF)	V _{GS} (V)	Max (pF)	V _{DS} (V)		
2N3369	-40	-10	-50	-30	—	-6.5	20	10 ²	0.5	2.5	30	0.6	2.5	30	20	80	30	30	—	NJ16
2N3370	-40	-10	-50	-30	—	-3.2	20	10 ²	0.1	0.6	30	0.3	2.5	30	20	80	30	30	—	NJ16
2N3458	-50	-10	-0.25	-30	—	7.8	20	10 ²	3.0	15	20	2.5	10	20	18	-10 ³	50	30	—	NJ16
2N3459	-50	-10	-0.25	-30	—	3.4	20	10 ²	0.8	4.0	20	1.5	6.0	20	18	-6 ³	50	30	—	NJ16
2N3460	-50	-10	-0.25	-30	—	1.8	20	10 ²	0.2	1.0	20	0.8	4.5	20	18	-4 ³	50	30	—	NJ16
2N3821	-50	-10	-0.1	-30	—	4.0	10	10	0.5	2.5	15	1.5	4.5	15	60	15	20	15	—	NJ16
2N3822	-50	-10	-0.1	-30	—	6.0	10	10	2.0	10	15	3.0	6.5	15	60	15	20	15	—	NJ32
2N3967	-30	-10	-0.1	-20	20	50	20	10	2.5	10	20	2.5	—	20	50	20 ⁴	13	20 ⁴	—	NJ26
2N3967A	-30	-10	0.1	-20	-20	50	20	10	2.5	10	20	2.5	—	20	50	20 ⁴	13	20 ⁴	—	NJ26
2N3968	-30	-10	-0.1	-20	—	3.0	20	10	1.0	5.0	20	2.0	—	20	50	20 ⁵	13	20 ⁵	—	NJ26
2N3968A	-30	-10	-0.1	-20	—	3.0	20	10	1.0	5.0	20	2.0	—	20	50	20 ⁵	13	20 ⁵	—	NJ26
2N3969	-30	-10	-0.1	-20	—	1.7	20	10	0.4	2.0	20	1.3	—	20	50	20 ⁶	13	20 ⁶	—	NJ26
2N3969A	-30	-10	-0.1	-20	—	1.7	20	10	0.4	2.0	20	1.3	—	20	50	20 ⁶	13	20 ⁶	—	NJ26
2N4220	-30	-10	0.1	-15	—	4.0	15	10	0.5	3.0	15	1.0	4.0	15	60	15	20	15	—	NJ16
2N4220A	-30	-10	-0.1	-15	—	4.0	15	10	0.5	3.0	15	1.0	4.0	15	60	15	20	15	—	NJ16
2N4221	30	-10	-0.1	-15	—	6.0	15	10	2.0	6.0	15	2.0	5.0	15	60	15	20	15	—	NJ32
2N4221A	30	-10	-0.1	-15	—	6.0	15	10	2.0	6.0	15	2.0	5.0	15	60	15	20	15	—	NJ32
2N4222	-30	-10	-0.1	-15	—	8.0	15	10	5.0	15	15	2.5	6.0	15	60	15	20	15	—	NJ32
2N4222A	-30	-10	-0.1	-15	—	8.0	15	10	5.0	15	15	2.5	6.0	15	60	15	20	15	—	NJ32
2N4338	-50	-10	-0.1	-30	-0.3	-1.0	15	100	0.2	0.6	15	0.6	1.8	15	70	15	30	15	2500	NJ16
2N4339	-50	-10	-0.1	-30	-0.6	-1.8	15	100	0.5	1.5	15	0.8	2.4	15	70	15	30	15	1700	NJ16
2N4340	-50	-10	-0.1	-30	-1.0	-3.0	15	100	1.2	3.6	15	1.3	3.0	15	70	15	30	15	1500	NJ16
2N4341	-50	-10	-0.1	-30	-2.0	-6.0	15	100	3.0	9.0	15	2.0	4.0	15	70	15	30	15	800	NJ16
2N5103	-25	-10	-0.1	-15	-0.5	-4.0	15	10	1.0	8.0	15	2.0	8.0	15	50	15	10	15	—	NJ26
2N5104	-25	-10	-0.1	-15	-0.5	-4.0	15	10	2.0	6.0	15	3.5	7.5	15	50	15	10	15	—	NJ26
2N5105	-25	-10	-0.1	-15	-0.5	-4.0	15	10	5.0	15	15	5.0	10	15	50	15	10	15	—	NJ26
2N5358	-40	-10	-0.1	-20	-0.5	-3.0	15	100	0.5	1.0	15	1.0	3.0	15	60	15	20	15	—	NJ16
2N5359	-40	-10	-0.1	-20	-0.8	-4.0	15	100	0.6	1.6	15	1.2	3.6	15	60	15	20	15	—	NJ16
2N5360	-40	-10	-0.1	-20	-0.8	-4.0	15	100	1.5	3.0	15	1.4	4.2	15	60	15	20	15	—	NJ16
2N5361	-40	-10	-0.1	-20	-1.0	-6.0	15	100	2.5	5.0	15	1.5	4.5	15	60	15	20	15	—	NJ16
2N5362	-40	-10	-0.1	-20	-2.0	-7.0	15	100	4.0	8.0	15	2.0	5.5	15	60	15	20	15	—	NJ32
2N5363	-40	-10	-0.1	-20	-2.5	-8.0	15	100	7.0	14	15	2.5	6.0	15	60	15	20	15	—	NJ32
2N5364	-40	-10	-0.1	-20	-2.5	-8.0	15	100	9.0	18	15	2.7	6.5	15	60	15	20	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



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