

# N-Channel JFETs

## General-Purpose Device Types

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

Device Type	$V_{GS(iss)}$		$I_{GSS}$		$V_{GS(ion)}$				$I_{DSS}$			$g_{fs}$			$C_{iss}^1$		$C_{oss}^1$		$r_{DS}$ Max (Ω)	Process
	Min (V)	Max (μA)	Min (nA)	Max (V)	Limits	Conditions		Min (mA)	Max (mA)	Max (V)	Min (mS)	Max (mS)	Max (V)	Max (pF)	Max (V)	Max (pF)	Max (V)			
						$V_{DS}$ (V)	$I_D$ (nA)													
2N3369	-40	-1.0	-5.0	-30	—	-6.5	20	1.0 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	3.0	15	20	2.5	10	20	18	-10 <sup>3</sup>	5.0	30	—	NJ16
2N3459	-50	-1.0	-0.25	-30	—	3.4	20	1.0 <sup>2</sup>	0.8	4.0	20	1.5	6.0	20	18	-6 <sup>3</sup>	5.0	30	—	NJ16
2N3460	-50	-1.0	-0.25	-30	—	1.8	20	1.0 <sup>2</sup>	0.2	1.0	20	0.8	4.5	20	18	-4 <sup>3</sup>	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 <sup>4</sup>	1.3	20 <sup>4</sup>	—	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 <sup>4</sup>	1.3	20 <sup>4</sup>	—	NJ26
2N3968	-30	-1.0	-0.1	-20	—	-3.0	20	1.0	1.0	5.0	20	2.0	—	20	5.0	20 <sup>5</sup>	1.3	20 <sup>5</sup>	—	NJ26
2N3968A	-30	-1.0	-0.1	-20	—	3.0	20	1.0	1.0	5.0	20	2.0	—	20	5.0	20 <sup>5</sup>	1.3	20 <sup>5</sup>	—	NJ26
2N3969	-30	-1.0	-0.1	-20	—	-1.7	20	1.0	0.4	2.0	20	1.3	—	20	5.0	20 <sup>6</sup>	1.3	20 <sup>6</sup>	—	NJ26
2N3969A	-30	-1.0	-0.1	-20	—	-1.7	20	1.0	0.4	2.0	20	1.3	—	20	5.0	20 <sup>6</sup>	1.3	20 <sup>6</sup>	—	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)  $V_{GS} = 0\text{ V}$   
 2)  $I_G$  in  $\mu\text{A}$   
 3)  $V_{DS} = 0\text{ V}$ ,  $V_{GS}$  in volts  
 4)  $I_D = 1.0\text{ mA}$   
 5)  $I_D = 500\ \mu\text{A}$   
 6)  $I_D = 200\ \mu\text{A}$

 InterFET.  
 214-487-1287  
 FAX 214-276-3375