

# N-Channel JFETs

## General-Purpose Device Types

### ELECTRICAL CHARACTERISTICS at T<sub>A</sub> = 25°C

Device Type	V <sub>DS</sub> (V)		I <sub>DSS</sub> (mA)		V <sub>GS</sub> (V)				g <sub>fs</sub> (mS)			C <sub>iss</sub> (pF)		C <sub>rss</sub> (pF)		f <sub>os</sub> Max (Ω)	Process				
	Min	Max	Min	Max	Limits		Conditions		Min	Max	Min	Max	Min	Max	Min			Max			
	(V)	(V)	(mA)	(mA)	V <sub>DS</sub>	I <sub>D</sub>	V <sub>GS</sub>	I <sub>D</sub>	(mS)	(mS)	(pF)	(pF)	(pF)	(pF)	(pF)			(pF)			
2N3369	-40	-1.0	-5.0	-3.0	-	-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	-3.0	-	-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	-3.0	-	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	-3.0	-	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	-3.0	-	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	-3.0	-	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	-3.0	-	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	-2.0	-	2.0	5.0	20	1.0	2.5	10	2.5	-	20	5.0	20 <sup>4</sup>	1.3	20 <sup>4</sup>	-	NJ26	
2N3967A	-30	-1.0	0.1	-2.0	-	2.0	5.0	20	1.0	2.5	10	2.5	-	20	5.0	20 <sup>4</sup>	1.3	20 <sup>4</sup>	-	NJ26	
2N3968	-30	-1.0	-0.1	-2.0	-	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	-2.0	-	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	-2.0	-	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	-2.0	-	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	-1.5	-	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	-1.5	-	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	-1.5	-	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	-1.5	-	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	-1.5	-	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	-1.5	-	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	-3.0	-	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	-3.0	-	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	-3.0	-	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	-3.0	-	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	-1.5	-	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	-1.5	-	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	-1.5	-	0.5	4.0	15	1.0	5.0	15	5.0	10	15	5.0	15	1.0	15	-	NJ26	
2N5358	-40	-1.0	-0.1	-2.0	-	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	-2.0	-	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	-2.0	-	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	-2.0	-	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	-2.0	-	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	-2.0	-	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	-2.0	-	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<sub>GS</sub> = 0 V  
 2) I<sub>D</sub> in  $\mu$ A  
 3) V<sub>DS</sub> = 0 V V<sub>GS</sub> in volts  
 4) I<sub>D</sub> = 1.0 mA  
 5) I<sub>D</sub> = 500  $\mu$ A  
 6) I<sub>D</sub> = 200  $\mu$ A



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