



N-Channel JFETs

General Purpose Dual JFETs

Type No.	Case Style	Operating Conditions for these Characteristics										V _{GS} (V)	I _{SS} (mA)	G _{fs} (mmho)	I _{SS} (mA @ V _{GS})	C _{iss} (pF)	C _{oss} (pF)	f _T (MHz)	I _{SS} (mA) Match %	G _{fs} (mmho) Match %	Process No.	Pkg. No.								
		V _{GS} (V)	I _D (mA)	V _{DS} (V)	V _{GS} (V)	V _{GS} (V)	V _{GS} (V)	V _{GS} (V)	V _{GS} (V)	V _{GS} (V)	V _{GS} (V)												V _{GS} (V)	V _{GS} (V)	V _{GS} (V)	V _{GS} (V)	V _{GS} (V)	V _{GS} (V)	V _{GS} (V)	V _{GS} (V)
2N3921	TO-71	10	700	5	10	250	1500	20	20	0.5	4	1	10	1.5	7.5	35	1000	30	18	6	50	100	1000	5	5	83	12			
2N3922	TO-71	10	700	5	25	250	1500	20	20	0.5	4	-3.0	1	10	1.5	7.5	35	1000	30	18	6	50	100	1000	5	5	83	12		
2N3934	TO-71	10	200	5	10	100	300	5	5	0.5	4	See 2N3954-6 as an improved replacement										12	12							
2N3935	TO-71	10	200	5	25	100	300	5	5	0.5	4	See 2N3954-6 as an improved replacement										12	12							
2N3954A	TO-71	20	200	5	5	50				0.5	4	1	4.5	0.5	5	1	3	35	100	4	1.2	50	150	100	5	3	83	12		
2N3954	TO-71	20	200	5	10	50				0.5	4	1	4.5	0.5	5	1	3	35	100	4	1.2	50	150	100	5	3	83	12		
2N3955A	TO-71	20	200	5	15	50				0.5	4	1	4.5	0.5	5	1	3	35	100	4	1.2	50	150	100	5	3	83	12		
2N3955	TO-71	20	200	10	25	50				0.5	4	1	4.5	0.5	5	1	3	35	100	4	1.2	50	150	100	5	5	83	12		
2N3956	TO-71	20	200	15	50	50				0.5	4	1	4.5	0.5	5	1	3	35	100	4	1.2	50	150	100	5	5	83	12		
2N3957	TO-71	20	200	20	75	50				0.5	4	1	4.5	0.5	5	1	3	35	100	4	1.2	50	150	100	10	10	83	12		
2N3958	TO-71	20	200	25	100	50				0.5	4	1	4.5	0.5	5	1	3	35	100	4	1.2	50	150	100	15	15	83	12		
2N4082	TO-71	10	200	15	10	100	300	10	10	0.5	4	See 2N3954-6 as an improved replacement										12	12							
2N4083	TO-71	10	200	15	25	100	300	10	10	0.5	4	See 2N3954-6 as an improved replacement										83	12							
2N4084	TO-71	10	700	15	10	250	1500	20	20	0.5	4	3	1	10	1.5	7.5	35	1000	30	18	6	50	100	1000	5	5	83	12		
2N4085	TO-71	10	700	15	25	250	1500	20	20	0.5	4	3	1	10	1.5	7.5	35	1000	30	18	6	50	100	1000	5	5	83	12		
2N5045	TO-71	15	200	5.0	67							0.5	4.5	0.5	8	1.5	6	25	250	8	4	50	200	10			83	12		
2N5046	TO-71	15	200	10	183							0.5	4.5	0.5	8	1.5	6	25	250	8	4	50	200	10			83	12		
2N5047	TO-71	15	200	15	200							0.5	4.5	0.5	8	1.5	6	25	250	8	4	50	200	10			83	12		
2N5196	TO-71	20	200	5	5	15	700	1500	4	0.2	3.8	0.7	4.5	0.7	7	1	4	50	25	6	2	50	20	1000	5	3	1	5	83	12
2N5197	TO-71	20	200	5	10	15	700	1500	4	0.2	3.8	0.7	4.5	0.7	7	1	4	50	25	6	2	50	20	1000	5	3	1	5	83	12
2N5198	TO-71	20	200	10	20	15	700	1500	4	0.2	3.8	0.7	4.5	0.7	7	1	4	50	25	6	2	50	20	1000	5	3	1	5	83	12
2N5199	TO-71	20	200	15	40	17	700	1500	4	0.2	3.8	0.7	4.5	0.7	7	1	4	50	25	6	2	50	20	1000	5	3	1	5	83	12
2N5452	TO-71	20	200	5	5							0.2	4.2	1	4.5	0.5	5	1	3	100	4	1.2	50	20	1000	5	3	0.25	83	12
2N5453	TO-71	20	200	10	10							0.2	4.2	1	4.5	0.5	5	1	3	100	4	1.2	50	20	1000	5	3	0.25	83	12
2N5454	TO-71	20	200	15	25							0.2	4.2	1	4.5	0.5	5	1	3	100	4	1.2	50	20	1000	5	3	0.25	83	12
2N5545	TO-71	15	200	5	10	50						0.5	4.5	0.5	8	1.5	6	25	100	6	2	50	180	10	5	3	1	5	83	12
2N5546	TO-71	15	200	10	20	50						0.5	4.5	0.5	8	1.5	6	25	100	6	2	50	200	10	10	5	2	5	83	12
2N5547	TO-71	15	200	15	40	50						0.5	4.5	0.5	8	1.5	6	25	100	6	2	50	200	10	10	10	3	5	83	12
2N5561	TO-71	10	700	5	5		2000	3000	4	0.2	2.71	0.8	3	1	10			100	30	15	4	50	50	10	5	3	0.3	10	98	12
2N5562	TO-71	10	700	10	10		2000	3000	4	0.2	2.71	0.8	3	1	10			100	30	15	4	50	50	10	5	3	0.4	10	98	12
2N5563	TO-71	10	700	15	25		2000	3000	4	0.2	2.71	0.8	3	1	10			100	30	15	4	50	50	10	5	3	0.5	10	98	12

I_D = 100 μA for V_{GS} for 2N5561/2/3 only.

T-27-01

General Purpose Dual JFETs (Continued)

N-Channel JFETs

Type No.	Case Style	Operating Conditions for these Characteristics										Process Pkg. No.															
		Op. Char. V _{DS} (V)	I _D (μA)	V _{GS} (mV)	Drift (μV/°C)	I _Q (pA)	G _{fs} (μmho)	G _{oss} (μmho)	CMRR (dB)	V _{GS} (V)	V _{DS} (V)																
J401	10	200	5	10	100	1000	1600	2	95	2.3	0.5	2.5	0.5	10	2	7	20	100	30	8	3	50	20	10	100	80	
J402	8-Pin	10	200	10	10	100	1000	1600	2	95	2.3	0.5	2.5	0.5	10	2	7	20	100	30	8	3	50	20	10	100	80
J403	Mini-	10	200	10	25	100	1000	1600	2	95	2.3	0.5	2.5	0.5	10	2	7	20	100	30	8	3	50	20	10	100	80
J404	DIP	10	200	15	25	100	1000	1600	2	95	2.3	0.5	2.5	0.5	10	2	7	20	100	30	8	3	50	20	10	100	80
J405	10	200	20	40	100	1000	1600	2	90	2.3	0.5	2.5	0.5	10	2	7	20	100	30	8	3	50	20	10	100	80	
J406	10	200	40	80	100	1000	1600	2		2.3	0.5	2.5	0.5	10	2	7	20	100	30	8	3	50	20	10	100	80	
J410	8-Pin	20	200	10	10	250	800	1200	5		0.3	4	0.5	3.5	0.5	6	1	4	20	250	20	4.5	1.2	40	50	100	83
J411	Mini	20	200	25	25	250	800	1200	5		0.3	4	0.5	3.5	0.5	6	1	4	20	250	20	4.5	1.2	40	50	100	83
J412	DIP	20	200	40	80	250	800	1200	5		0.3	4	0.5	3.5	0.5	6	1	4	20	250	20	4.5	1.2	40	50	100	83
NPD8301	8-Pin	20	200	5	15	100	700	1200	5	70	0.3	4	0.5	3.5	0.5	6	1	4	20	100	20	4.5	1.2	40	50	100	83
NPD8302	Mini	20	200	10	110	100	700	1200	5		0.3	4	0.5	3.5	0.5	6	1	4	20	100	20	4.5	1.2	40	50	100	83
NPD8303	DIP	20	200	15	115	100	700	1200	5		0.3	4	0.5	3.5	0.5	6	1	4	20	100	20	4.5	1.2	40	50	100	83
NPD8304	8-Pin	20	200	20	120	100	700	1200	5		0.3	4	0.5	3.5	0.5	6	1	4	20	100	20	4.5	1.2	40	50	100	83
U231	Mini-DIP	20	200	5	10	50	600	10		0.3	4																
U232	TO-71	20	200	10	25	50	600	10		0.3	4																
U233	TO-71	20	200	15	50	50	600	10		0.3	4																
U234	TO-71	20	200	20	75	50	600	10		0.3	4																
U235	TO-71	20	200	25	100	50	600	10		0.3	4																
U401	TO-71	10	200	5	10	15	1000	1600	2	95	2.3	0.5	2.5	0.5	10	2	7	20	25	30	8	3	50	20	10	100	88
U402	TO-71	10	200	10	10	15	1000	1600	2	95	2.3	0.5	2.5	0.5	10	2	7	20	25	30	8	3	50	20	10	100	88
U403	TO-71	10	200	10	25	15	1000	1600	2	95	2.3	0.5	2.5	0.5	10	2	7	20	25	30	8	3	50	20	10	100	88
U404	TO-71	10	200	15	25	15	1000	1600	2	95	2.3	0.5	2.5	0.5	10	2	7	20	25	30	8	3	50	20	10	100	88
U405	TO-71	10	200	20	40	15	1000	1600	2	90	2.3	0.5	2.5	0.5	10	2	7	20	25	30	8	3	50	20	10	100	88
U406	TO-71	10	200	40	80	15	1000	1600	2		2.3	0.5	2.5	0.5	10	2	7	20	25	30	8	3	50	20	10	100	88

N-Channel JFETs



Low Frequency—Low Noise Dual JFETs

Type No.	Case Style	Operating Conditions for these Characteristics										Process No.	Pkg. No.																			
		Op. Char. V _{DS} (V)	I _D (μA)	V _{GS} (mV)	Drift (μV/°C)	I _G (pA)	G _{1S} (μmhos)	G _{oss} (μmho)	CMRR (dB)	V _{GS} (V)	V _{GS} (V)			V _p (V)																		
2N5515	TO-71	20	200	5	5	100	500	1000	1	100	0.2	3.8	0.7	4	0.5	7.5	1	4	10	250	30	25	5.0	40	30	10	5	3	0.1	10	95	12
2N5516	TO-71	20	200	5	10	100	500	1000	1	100	0.2	3.8	0.7	4	0.5	7.5	1	4	10	250	30	25	5.0	40	30	10	5	3	0.1	10	95	12
2N5517	TO-71	20	200	10	20	100	500	1000	1	90	0.2	3.8	0.7	4	0.5	7.5	1	4	10	250	30	25	5.0	40	30	10	5	5	0.1	10	95	12
2N5518	TO-71	20	200	15	40	100	500	1000	1	0.2	3.8	0.7	4	0.5	7.5	1	4	10	250	30	25	5.0	40	30	10	5	5	0.1	10	95	12	
2N5519	TO-71	20	200	15	80	100	500	1000	1	0.2	3.8	0.7	4	0.5	7.5	1	4	10	250	30	25	5.0	40	30	10	10	10	0.1	10	95	12	
2N5520	TO-71	20	200	5	5	100	500	1000	1	100	0.2	3.8	0.7	4	0.5	7.5	1	4	10	250	30	25	5.0	40	30	10	5	3	0.1	10	95	12
2N5521	TO-71	20	200	5	10	100	500	1000	1	100	0.2	3.8	0.7	4	0.5	7.5	1	4	10	250	30	25	5.0	40	30	10	5	3	0.1	10	95	12
2N5522	TO-71	20	200	10	20	100	500	1000	1	90	0.2	3.8	0.7	4	0.5	7.5	1	4	10	250	30	25	5.0	40	30	10	5	5	0.1	10	95	12
2N5523	TO-71	20	200	15	40	100	500	1000	1	0.2	3.8	0.7	4	0.5	7.5	1	4	10	250	30	25	5.0	40	30	10	5	5	0.1	10	95	12	
2N5524	TO-71	20	200	15	80	100	500	1000	1	0.2	3.8	0.7	4	0.5	7.5	1	4	10	250	30	25	5.0	40	30	10	10	10	0.1	10	95	12	
2N6483	TO-71	20	200	5	5	100	500	1500	1	100	0.2	3.8	0.7	4	0.5	7.5	1	4	10	200	30	20	3.5	50	10	10	5	3	0.1	10	95	12
2N6484	TO-71	20	200	10	10	100	500	1500	1	100	0.2	3.8	0.7	4	0.5	7.5	1	4	10	200	30	20	3.5	50	10	10	5	3	0.1	10	95	12
2N6485	TO-71	20	200	15	25	100	500	1500	1	90	0.2	3.8	0.7	4	0.5	7.5	1	4	10	200	30	20	3.5	50	10	10	5	3	0.1	10	95	12