



Datasheet.Live

N-Channel JFETs

RF, VHF, UHF AMPLIFIERS

Type No.	Case Style	BV _{GSS} (V) @ I _G		I _{GSS} (nA) @ V _{DG}		V _p @ V _{DS}			I _{DSS} (mA) @ V _{DS}			R _e Y _{fs} (mmho) @ Freq		R _e (Y _{os}) (μmho) @ f			C _{iss} (pF) @ V _{DS} V _{GS}			C _{rss} (pF) @ V _{DS} V _{GS}			NF (dB) @ R _G = 1k		Process No.	Pkg. No.		
		Min	Max	Min	Max	Min	Max	I _D (nA)	Min	Max	V _{DS} (V)	Min	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max					
2N3819	TO-92	25	1	2	15		8	15	2	2	20	15	1.6	100		8	15	0	-4	15	0		50	94				
2N3823	TO-72	30	1	0.5	20		8	15	0.5	4	20	15	3.2	200	200	200	200	6	15	0	-2	15	0	2.5	100	50	25	
2N4223	TO-72	30	10	0.25	20	0.1	8	15	0.25	3	18	15	2.7	200	200	200	200	6	15	0	-2	15	0	5	200	50	25	
2N4224	TO-72	30	10	0.5	20	0.1	8	15	0.5	2	20	15	1.7	200	200	200	200	6	15	0	2	15	0			50	25	
2N4416	TO-72	30	1	0.1	20		6	15	1	5	15	15	4	400	100	400	400	4	15	0	0.8	15	0	4	400	50	25	
2N4416A	TO-72	35	1	0.1	20	2.5	6	15	1	5	15	15	4	400	100	400	400	4	15	0	0.8	15	0	4	400	50	25	
2N5078	TO-72	30	1	0.25	20	0.5	8	15		4	25	15	4	200	150	200	200	6	15	0	2	15	0	3	200	50	25	
2N5245	TO-92	30	1	1	20	1	6	15	10	5	15	15	4	400	100	400	400	4.5	15	0	1	15	0	4	400	90	97	
2N5246	TO-92	30	1	1	20	0.5	4	15	10	1.5	7	15	2.5	400	100	400	400	4.5	15	0	1	15	0			90	97	
2N5247	TO-92	30	1	1	20	1.5	8	15	10	8	24	15	4	400	150	400	400	4.5	15	0	1	15	0			90	97	
2N5248	TO-92	30	1	5	20	1	8	15	10	4	20	15	3	200	200	200	200	6	15	0	2	15	0			50	94	
2N5397	TO-72	25	1	0.1	15	1	6	10	1	10	30	10	5.5	450	200	450	450	5	10	10 mA	1.2	10	10 mA	3.5	450	90	29	
2N5398	TO-72	25	1	0.1	15	1	6	10	1	5	40	10	5.0	450	400	450	450	5.5	10	0	1.3	10	0	3.2	450	90	29	
2N5484	TO-92	25	1	1	20	0.3	3	15	10	1	5	15	2.5	100	75	100	100	5	15	0	1	15	0	3	100	50	92	
2N5485	TO-92	25	1	1	20	1	4	15	10	4	10	15	3	400	100	400	400	5	15	0	1	15	0	4	400	50	92	
2N5486	TO-92	25	1	1	20	2	6	15	10	8	20	15	3.5	400	100	400	400	5	15	0	1	15	0	4	400	50	92	
2N5668	TO-92	25	10	2	15	0.2	4	14	10	1	5	15	1	100	50	100	100	7	15	0	3	15	0	2.5	100	50	92	
2N5669	TO-92	25	10	2	15	1	6	15	10	4	10	15	1.6	100	100	100	100	7	15	0	3	15	0	2.5	100	50	92	
2N5670	TO-92	25	10	2	15	2	8	15	10	8	20	15	2.5	100	150	100	100	7	15	0	3	15	0	2.5	100	50	92	
2N5949	TO-92	300	1	1	15	3	7	15	100	12	18	15	3.0	100	75	100	100	6	15	0	2	15	0	5	100	50	97	
2N5950	TO-92	30	1	1	15	2.5	6	15	100	10	15	15	3.0	100	75	100	100	6	15	0	2	15	0	5	100	50	97	
2N5951	TO-92	30	1	1	15	2	5	15	100	7	13	15	3.0	100	75	100	100	6	15	0	2	15	0	5	100	50	97	
2N5952	TO-92	30	1	1	15	1.3	3.5	15	100	4	8	15	1.0	100	75	100	100	6	15	0	2	15	0	5	100	50	97	
2N5953	TO-92	30	1	1	15	0.8	3	15	100	2.5	5	15	1.0	100	50	100	100	6	15	0	2	15	0	5	100	50	97	
J300	TO-92	25	1	0.5	15	1	6	10	1	6	30	10	4.5	0.001	200	0.001	0.001	0.001	5.5	10	5 mA	1.7	10	5 mA	12	100	90	92
J304	TO-92	30	1	0.1	20	2	6	15	1	5	15	15	4.2	400	180	100	100	13	15	0	1.8	15	0	14	400	50	92	
J305	TO-92	30	1	0.1	20	0.5	3	15	1	1	8	15	13.0	400	180	100	100	13	15	0	1.8	15	0	14	400	50	92	
J308	TO-92	25	1	1	15	1	6.5	10	1	12	60	10	8	0.001	200	0.001	0.001	0.001	7.5	0	-10	2.5	0	-10	11.5	100	92	92
J309	TO-92	25	1	1	15	1	4.0	10	1	12	30	10	10	0.001	200	0.001	0.001	0.001	7.5	0	-10	2.5	0	-10	11.5	100	92	92
J310	TO-92	25	1	1	15	2	6.5	10	1	24	60	10	8	0.001	200	0.001	0.001	0.001	7.5	0	-10	2.5	0	-10	11.5	100	92	92

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Industry P/N	Polarity	Package	Direct Replacement	Closest Equivalent Replacement	Process Package	Package Type	Industry P/N	Polarity	Package	Direct Replacement	Closest Equivalent Replacement	Process Package	Package Type
2N5020	P	TO-18	2N5020	2N5433 2N5432	8811	TO-18	2N5668	N	TO-92	2N5668	PN3686 PN4302 J210 J212	5072	TO-92
2N5021	P	TO-18	2N5021		8971	TO-92	2N5669	N	TO-92	2N5669		5072	TO-92
2N5033	P	TO-106	PN5033-18		8971	TO-92	2N5670	N	TO-92	2N5670		5072	TO-92
2N5045	N	TO-71	2N5045		8312	TO-71	2N5717	N	TO-92			5272	TO-92
2N5046	N	TO-71	2N5046		8312	TO-71	2N5718	N	TO-92			5272	TO-92
2N5047	N	TO-71	2N5047		8312	TO-71	2N5801	N	TO-92			9072	TO-92
2N5078	N	TO-72	2N5078		5025	TO-72	2N5802	N	TO-92			9072	TO-92
2N5103	N	TO-72	2N5103		5025	TO-72	2N5902	N	TO-78	2N5902		8424	TO-78
2N5104	N	TO-72	2N5104		5025	TO-72	2N5903	N	TO-78	2N5903		8424	TO-78
2N5105	N	TO-72	2N5105		5025	TO-72	2N5904	N	TO-78	2N5904		8424	TO-78
2N5114	P	TO-18	2N5114		8811	TO-18	2N5905	N	TO-78	2N5905		8424	TO-78
2N5115	P	TO-18	2N5115		8811	TO-18	2N5906	N	TO-78	2N5906		8424	TO-78
2N5116	P	TO-18	2N5116		8811	TO-18	2N5907	N	TO-78	2N5907		8424	TO-78
2N5158	N	TO-18			8807	TO-52	2N5908	N	TO-78	2N5908		8424	TO-78
2N5159	N	TO-18			5807	TO-52	2N5909	N	TO-78	2N5908		8424	TO-78
2N5163	N	TO-106	PN5163-18	5072	TO-18	2N5911	N	TO-78	2N5911	9324	TO-78		
2N5196	N	TO-71	2N5196	8312	TO-18	2N5912	N	TO-78	2N5912	9324	TO-78		
2N5197	N	TO-71	2N5197	8312	TO-18	2N5949	N	TO-106	2N5949-18	5077	TO-92		
2N5198	N	TO-71	2N5198	8312	TO-18	2N5950	N	TO-106	2N5950-18	5077	TO-92		
2N5199	N	TO-71	2N5199	8312	TO-18	2N5951	N	TO-106	2N5951-18	5077	TO-92		
2N5245	N	TO-106	2N5245-18	9077	TO-92	2N5952	N	TO-106	2N5952-18	5077	TO-92		
2N5246	N	TO-106	2N5246-18	9077	TO-92	2N5953	N	TO-106	2N5953-18	5077	TO-92		
2N5247	N	TO-106	2N5247-18	9077	TO-92	2N6483	N	TO-71	2N6483	9512	TO-71		
2N5248	N	TO-92	2N5248	5074	TO-92	2N6484	N	TO-71	2N6484	9512	TO-71		
2N5358	N	TO-72	2N5358	5525	TO-72	2N6485	N	TO-71	2N6485	9512	TO-71		
2N5359	N	TO-72	2N5359	5525	TO-72	2SK11	N	TO-72		5202	TO-18		
2N5360	N	TO-72	2N5360	5525	TO-72	2SK12	N	TO-72	2N4340	5202	TO-18		
2N5361	N	TO-72	2N5361	5525	TO-72	2SK13	N	TO-72	2N4340	5202	TO-18		
2N5362	N	TO-72	2N5362	5525	TO-72	2SK15	N	TO-72	2N4340	5202	TO-18		
2N5363	N	TO-72	2N5363	5525	TO-72	2SK19	N	TO-106	2N5485-18	5072	TO-92		
2N5364	N	TO-72	2N5364	5525	TO-72	2SK30	N	TO-92	PN4304	5272	TO-92		
2N5397	N	TO-72	2N5397	9025	TO-72	2SK37	N	B-69	2N5484	5072	TO-92		
2N5398	N	TO-72	2N5398	9025	TO-72	2SK48	N	TO-72	2N3686	5225	TO-72		
2N5432	N	TO-18	2N5432	5807	TO-72	2SK68	N	TO-92	PF5101	5172	TO-92		
2N5433	N	TO-18	2N5433	5807	TO-72	3SK22	N	TO-72	2N5078	5025	TO-72		
2N5434	N	TO-18	2N5434	5807	TO-72	3SK23	N	TO-72	2N5397	9025	TO-72		
2N5452	N	TO-71	2N5452	8312	TO-71	3SK28	N	TO-72	2N5078	5025	TO-72		
2N5453	N	TO-71	2N5453	8312	TO-71	A573821	N	TO-92	2N3821	5525	TO-72		
2N5454	N	TO-71	2N5454	8312	TO-71	A573822	N	TO-92	2N3822	5525	TO-72		
2N5457	N	TO-92	2N5457	5572	TO-92	A573823	N	TO-92	2N3823	5029	TO-72		
2N5458	N	TO-92	2N5458	5572	TO-92	A573824	N	TO-92	2N3824	5525	TO-72		
2N5459	N	TO-92	2N5459	5572	TO-92	A575460	P	TO-92	2N5460	8971	TO-92		
2N5460	P	TO-92	2N5460	8971	TO-92	A575461	P	TO-92	2N5461	8971	TO-92		
2N5461	P	TO-92	2N5461	8971	TO-92	A575462	P	TO-92	2N5462	8971	TO-92		
2N5462	P	TO-92	2N5462	8971	TO-92	BC264A	N	TO-92	BC264A	5077	TO-92		
2N5471	P	TO-72		8911	TO-18	BC264B	N	TO-92	BC264B	5077	TO-92		
2N5472	P	TO-72		8911	TO-18	BC264C	N	TO-92	BC264C	5077	TO-92		
2N5473	P	TO-72		8911	TO-18	BC264D	N	TO-92	BC264D	5077	TO-92		
2N5474	P	TO-72		8911	TO-18	BF244A	N	TO-92	BF244A	5074	TO-92		
2N5475	P	TO-72		8911	TO-18	BF244B	N	TO-92	BF244B	5074	TO-92		
2N5476	P	TO-72		8911	TO-18	BF244C	N	TO-92	BF244C	5074	TO-92		
2N5484	N	TO-92	2N5484	5072	TO-92	BF245A	N	TO-92	BF245A	5077	TO-92		
2N5485	N	TO-92	2N5485	5072	TO-92	BF245B	N	TO-92	BF245B	5077	TO-92		
2N5486	N	TO-92	2N5486	5072	TO-92	BF245C	N	TO-92	BF245C	5077	TO-92		
2N5515	N	TO-71	2N5515	9512	TO-71	BF246A	N	TO-92	BF246A	5174	TO-92		
2N5516	N	TO-71	2N5516	9512	TO-71	BF246B	N	TO-92	BF246B	5174	TO-92		
2N5517	N	TO-71	2N5517	9512	TO-71	BF246C	N	TO-92	BF246C	5174	TO-92		
2N5518	N	TO-71	2N5518	9512	TO-71	BF247A	N	TO-92	BF247A	5177	TO-92		
2N5519	N	TO-71	2N5519	9512	TO-71	BF247B	N	TO-92	BF247B	5177	TO-92		
2N5520	N	TO-71	2N5520	9512	TO-71	BF247C	N	TO-92	BF247C	5177	TO-92		
2N5521	N	TO-71	2N5521	9512	TO-71	BF256A	N	TO-92	BF256A	5077	TO-92		
2N5522	N	TO-71	2N5522	9512	TO-71	BF256B	N	TO-92	BF256B	5077	TO-92		
2N5523	N	TO-71	2N5523	9512	TO-71	BF256C	N	TO-92	BF256C	5077	TO-92		
2N5524	N	TO-71	2N5524	9512	TO-71	BFW10	N	TO-72		5025	TO-72		
2N5545	N	TO-71	2N5545	8312	TO-71	BFW11	N	TO-72	2N4224	5025	TO-72		
2N5546	N	TO-71	2N5546	8312	TO-71	BFW61	N	TO-72	2N4224	5025	TO-72		
2N5547	N	TO-71	2N5547	8312	TO-71	BSV78	N	TO-18	2N4856	5102	TO-18		
2N5549	N	TO-72		9025	TO-72	BSV79	N	TO-18	2N4857	5102	TO-18		
2N5555	N	TO-92	2N5555	5072	TO-92	BSV80	N	TO-18	2N4858	5102	TO-18		
2N5556	N	TO-72	2N5556	5025	TO-72	E101	N	TO-106	J201-18	5272	TO-92		
2N5557	N	TO-72	2N5557	5025	TO-72	E102	N	TO-106	J202-18	5272	TO-92		
2N5558	N	TO-72	2N5558	5025	TO-72	E103	N	TO-106	J203-18	5272	TO-92		
2N5561	N	TO-71	2N5561	9812	TO-71	E106	N	TO-106		5872	TO-92		
2N5562	N	TO-71	2N5562	9812	TO-71	E107	N	TO-106	J108-18	5872	TO-92		
2N5563	N	TO-71	2N5563	9812	TO-71	E108	N	TO-106	J108-18	5872	TO-92		
2N5564	N	TO-71	2N5564	9612	TO-71	E109	N	TO-106	J109-18	5872	TO-92		
2N5565	N	TO-71	2N5565	9612	TO-71	E110	N	TO-106	J110-18	5872	TO-92		
2N5566	N	TO-71	2N5566	9612	TO-71	E111	N	TO-106	J111-18	5172	TO-92		
2N5592	N	TO-72		5072	TO-92	E112	N	TO-106	J112-18	5172	TO-92		
2N5593	N	TO-72		5072	TO-92	E113	N	TO-106	J113-18	5172	TO-92		
2N5594	N	TO-72		5072	TO-92	E114	N	TO-106	J114-18	9072	TO-92		
2N5638	N	TO-92	2N5638	5172	TO-92	E174	N	TO-106	J174-18	8874	TO-92		
2N5639	N	TO-92	2N5639	5172	TO-92	E175	N	TO-106	J175-18	8874	TO-92		
2N5640	N	TO-92	2N5640	5172	TO-92	E176	N	TO-106	J176-18	8874	TO-92		
2N5653	N	TO-92	2N5653	5172	TO-92	E177	N	TO-106	J177-18	8874	TO-92		
2N5654	N	TO-92	2N5654	5172	TO-92	E201	N	TO-106	J201-18	5272	TO-92		