

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	2N5688	N	TO-92	2N5688	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	2N5433 2N5432	8811	TO-18	2N5905	N	TO-78	2N5905	PN4304 2N5484 2N3686 2N5461 BC264A BC264B BC264C BF244A BF244B BF244C	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	2N5949-18	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	2N5020 2N5020 2N5020 2N5020	9077	TO-92	2N5952	N	TO-106	2N5952-18	2N3459 2N4340 2N4340 2N4340 2N5485-18	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			5202	TO-18
2N5361	N	TO-72	2N5361		5525	TO-72	2SK13	N	TO-72			5202	TO-18
2N5362	N	TO-72	2N5362		5525	TO-72	2SK15	N	TO-72			5202	TO-18
2N5363	N	TO-72	2N5363		5525	TO-72	2SK19	N	TO-106			5072	TO-92
2N5364	N	TO-72	2N5364	2N5020 2N5020 2N5020 2N5020	5525	TO-72	2SK30	N	TO-92		PN4304 2N5484 2N3686 PF5101 2N5078 2N5397 2N5078	5272	TO-92
2N5397	N	TO-72	2N5397		9025	TO-72	2SK37	N	B-69			5072	TO-92
2N5398	N	TO-72	2N5398		9025	TO-72	2SK48	N	TO-72			5225	TO-72
2N5432	N	TO-18	2N5432		5807	TO-72	2SK68	N	TO-92			5172	TO-92
2N5433	N	TO-18	2N5433		5807	TO-72	3SK22	N	TO-72			5025	TO-72
2N5434	N	TO-18	2N5434		5807	TO-72	3SK23	N	TO-72			9025	TO-72
2N5452	N	TO-71	2N5452		8312	TO-71	3SK28	N	TO-72			5025	TO-72
2N5453	N	TO-71	2N5453		8312	TO-71	A5T3821	N	TO-92	2N3821		5525	TO-72
2N5454	N	TO-71	2N5454		8312	TO-71	A5T3822	N	TO-92	2N3822		5525	TO-72
2N5457	N	TO-92	2N5457		5572	TO-92	A5T3823	N	TO-92	2N3823		5029	TO-72
2N5458	N	TO-92	2N5458	2N5020 2N5020 2N5020 2N5020	5572	TO-92	A5T3824	N	TO-92	2N3824	2N4224 2N5558 2N4224 2N4856 2N4857 2N4858	5525	TO-72
2N5459	N	TO-92	2N5459		5572	TO-92	A5T5460	P	TO-92	2N5460		8971	TO-92
2N5460	P	TO-92	2N5460		8971	TO-92	A5T5461	P	TO-92	2N5461		8971	TO-92
2N5461	P	TO-92	2N5461		8971	TO-92	A5T5462	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		2N5020	8911	TO-18	BF244C	N	TO-92	BF244C	2N4224 2N5558 2N4224 2N4856 2N4857 2N4858	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	2N5397	9512	TO-71	BF256A	N	TO-92	BF256A	J108-18 J108-18	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			5025	TO-72
2N5546	N	TO-71	2N5546		8312	TO-71	BFW61	N	TO-72			5025	TO-72
2N5547	N	TO-71	2N5547		8312	TO-71	BSV78	N	TO-18			5102	TO-18
2N5549	N	TO-72			9025	TO-72	BSV79	N	TO-18			5102	TO-18
2N5555	N	TO-92	2N5555		5072	TO-92	BSV80	N	TO-18			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	PN5163-18 PN5163-18	5025	TO-72	E102	N	TO-106	J202-18	J108-18 J108-18	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			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		9812	TO-71	E109	N	TO-106	J109-18		5872	TO-92
2N5565	N	TO-71	2N5565		9812	TO-71	E110	N	TO-106	J110-18		5872	TO-92
2N5566	N	TO-71	2N5566		9812	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		PN5163-18	5072	TO-92	E114	N	TO-106	J114-18	J201-18	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

JFET Selection Guide



RF, VHF, UHF AMPLIFIERS

N-Channel JFETs

Type No.	Case Style	BV _{GSS} (V) @ I _G		I _{GSS} (nA) @ V _{DG}		V _p (V) @ V _{DS}			I _D (nA)	I _{DSS} (mA) @ V _{DS}			R _e Y _{fs} (mmho) @ Freq		R _e (Y _{os}) (μmho) @ f		C _{iss} (pF) @ V _{DS}			V _{GS} (V)	C _{rss} (pF) @ V _{DS}			V _{GS} (V)	NF (dB) @ R _G = 1k Freq		Process No.	Pkg. No.	
		Min	(μA)	Max	(V)	Min	Max	(V)		Min	Max	(V)	Min	Max	(MHz)	Max	(MHz)	Max	(V)		Max	(V)	Max		(MHz)	Max			(MHz)
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	14.2	400	180	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	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	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	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	7.5	0	-10		2.5	0	-10		11.5	100	92	92