



National
Semiconductor™

Discrete POWER & Signal
Technologies

N-Channel JFETs

RF, VHF, UHF Amplifiers

Device No.	Case Style	BV _{CS} (V) @ I _G (μA) Min	I _{CS} (nA) @ V _{DS} (V) Max	V _P (V) @ V _{DS} Min Max	I _b (nA)	I _{DSS} (mA) @ V _{DS} Min Max	R _o Y _{fs} (mmho) @ F _q . Min	C _{iss} (pF) @ V _{DS} (V) Max	V _{GS} (V)	C _{iss} (pF) @ V _{DS} (V) Max	V _{GS} (V)	C _{iss} (pF) @ V _{DS} (V) Max	V _{GS} (V)	INF (dB) @ R _o = 1k Freq (MHz) Max	Process No.	Pkg. No.
2N3819	TO-92	25	1	8	15	2	1.6	100	8	15	0	4	15	0	50	94
2N5245	TO-92	30	1	1	6	15	4	400	4.5	15	0	1	15	0	90	97
2N5246	TO-92	30	1	0.5	4	15	2.5	400	4.5	15	0	1	15	0	90	97
2N5247	TO-92	30	1	1	8	15	4	400	4.5	15	0	1	15	0	90	97
2N5248	TO-92	30	1	1.5	8	15	3	200	6	15	0	2	15	0	50	94
2N5484	TO-92	25	1	0.3	3	15	2.5	100	5	15	0	1	15	0	50 (7-51)	92
2N5485	TO-92	25	1	0.5	4	15	3	400	5	15	0	1	15	0	50 (7-51)	92
2N5486	TO-92	25	1	2	6	15	3.5	400	5	15	0	1	15	0	50 (7-51)	92
2N5949	TO-92	30	1	3	7	15	3	100	6	15	0	2	15	0	50	97
2N5950	TO-92	30	1	2.5	6	15	3	100	6	15	0	2	15	0	50	97
2N5951	TO-92	30	1	2	5	15	3	100	6	15	0	2	15	0	50	97
2N5952	TO-92	30	1	1.8	3.5	15	1	100	6	15	0	2	15	0	50	97
2N5953	TO-92	30	1	0.8	3	15	1	100	6	15	0	2	15	0	50	97
J300	TO-92	25	1	1	6	10	4.5	0.001	5.5	10	5mA	1.7	10	5mA	90	92
J304	TO-92	30	1	2	6	15	4.2	100	5	15	15	5	15	15	50	92
J305	TO-92	30	1	0.5	3	15	13	100	5	15	0	2.5	0	-10	50	92
J309	TO-92	25	1	1	4	10	12	100	5	0	-10	2.5	0	-10	92 (7-27)	92
J310	TO-92	25	1	2	6.5	10	12	100	5	0	-10	2.5	0	-10	92 (7-27)	92
PN4416	TO-92	30	1	2.5	6	15	4	400	4	15	0	0.8	15	0	50	92

NOTE: National preferred device for each process in bold. Number shown in parentheses indicates location (section-page) of device datasheet.

t = typical value