



National  
Semiconductor™

Discrete POWER & Signal  
Technologies

## N-Channel JFETs

### RF, VHF, UHF Amplifiers

Device No.	Case Style	BV <sub>gss</sub> (V) @ I <sub>g</sub> Min (μA)	I <sub>gss</sub> (nA) @ V <sub>dg</sub> Max (V)	V <sub>p</sub> (V) @ V <sub>ds</sub> Min Max (V)	I <sub>b</sub> (nA)	I <sub>oss</sub> (mA) @ V <sub>ds</sub> Min Max (V)	R <sub>o</sub>   Y <sub>s</sub>   (mmho) @ F <sub>q</sub> Min (MHz)	C <sub>iss</sub> (pF) @ V <sub>ds</sub> V <sub>gs</sub> Max (V) (V)	C <sub>oss</sub> (pF) @ V <sub>ds</sub> V <sub>gs</sub> Max (V) (V)	NF (dB) @ R <sub>G</sub> = 1k Freq Max (MHz)	Process No.	Pkg. No.
2N3819	TO-92	25	2	8	2	2	1.6	8	4		50	94
2N5245	TO-92	30	1	1	5	5	4	4.5	1	4	90	97
2N5246	TO-92	30	1	0.5	1.5	7	2.5	4.5	1		90	97
2N5247	TO-92	30	1	1	8	24	4	4.5	1		90	97
2N5248	TO-92	30	5	1.5	8	20	3	6	2		50	94
2N5484	TO-92	25	1	0.3	3	5	2.5	5	1		50 (7-51)	92
2N5485	TO-92	25	1	0.5	4	10	3	5	1		50 (7-51)	92
2N5486	TO-92	25	1	2	6	20	3.5	5	1		50 (7-51)	92
2N5949	TO-92	30	1	3	7	18	3	6	2		50	97
2N5950	TO-92	30	1	2.5	6	15	3	6	2		50	97
2N5951	TO-92	30	1	2	5	13	3	6	2		50	97
2N5952	TO-92	30	1	1.8	3.5	8	1	6	2		50	97
2N5953	TO-92	30	1	0.8	3	5	1	6	2		50	97
J300	TO-92	25	0.5	1	6	30	4.5	5.5	1.7		90	92
J304	TO-92	30	0.1	2	6	15	4.2	10	10	5mA	50	92
J305	TO-92	30	0.1	0.5	3	8	13	5	0		50	92
J309	TO-92	25	1	1	4	10	112	5	2.5		92 (7-27)	92
J310	TO-92	25	1	2	6.5	10	112	5	2.5		92 (7-27)	92
PN4416	TO-92	30	0.1	2.5	6	15	4	4	0.8	4	400	92

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

t = typical value