

JFET RF, VHF, UHF Amplifiers

NATL SEMICOND (DISCRETE)

N Channel

Device	BV _{gss} (V) Min	V _p @ V _{gs} I _b (V)		I _b (mA)	Re(Y _{is}) (mho) @ 1		Re(Y _{os}) (mho) @ 1		C _{iss} (pF) Max	C _{rss} (pF) Max	NF (dB) @ R _g = 1k		Package
		Min	Max		Min	Max	Min	Max			Max	(MHz)	
2N3819	25	8	15	2	1.6	100			8	4			TO-92(94)
2N4416	30	2.5	6	15	1	4	400	100	4	0.9	4	400	TO-72
PN4416	30	2.5	6	15	1	4	400	100	4	0.9	4	400	TO-92(92)
MMBF4416	30	2.5	6	15	1	4	400	100	4	0.9	4	400	TO-236*
2N5245	30	1	6	15	10	4	400	100	4.5	1.0	4	400	TO-92(97)
2N5246	30	0.5	4	15	10	2.5	400	100	4.5	1.0	4	400	TO-92(97)
2N5247	30	1.5	8	15	10	4	400	150	4.5	1.0	4	400	TO-92(97)
2N5397	25	1	6	10	1	5.5	450	400	5	1.2	3.5	450	TO-72
2N5484	25	0.3	3	15	10	2.5	100	75	5	1	3	100	TO-92(92)
MMBF5484	25	0.3	3	15	10	2.5	100	75	5	1	3	100	TO-236*
2N5485	25	0.5	4	15	10	3	400	100	5	1	4	400	TO-92(92)
MMBF5485	25	0.5	4	15	10	3	400	100	5	1	4	400	TO-236*
2N5486	25	2	6	15	10	3.5	400	100	5	1	4	400	TO-92(92)
MMBF5486	25	2	6	15	10	3.5	400	100	5	1	4	400	TO-236*
2N5949	30	3	7	15	100	3	100	150	6	2	5	100	TO-92(97)
2N5950	30	2.5	6	15	100	3	100	125	6	2	5	100	TO-92(97)
2N5951	30	2	5	15	100	3	100	100	6	2	5	100	TO-92(97)
2N5952	30	1.3	4.5	15	100	1	100	75	6	2	5	100	TO-92(97)
2N5953	30	0.8	3	15	100	1	100	50	6	2	5	100	TO-92(97)
J300	25	1	6	10	1	4.5	0.001	200	5.5	1.7			TO-92(92)
MMBFJ304	30	2	6	15	1	14.2	400	180					TO-236*
J304	30	2	6	15	1	14.2	400	180					TO-92(92)
J305	30	0.5	3	15	1	13.0	400	180					TO-92(92)
MMBFJ305	30	0.5	3	15	1	13.0	400	180					TO-236*
MMBFJ309	25	1	4	10	1	10	0.001	150	7.5	2.5			TO-236*
J309	25	1	4	10	1	10	0.001	150	7.5	2.5			TO-92(92)
MMBFJ310	25	2	6.5	10	1	8	0.001	150	7.5	2.5			TO-236*
J310	25	2	6.5	10	1	8	0.001	150	7.5	2.5			TO-92(92)
U309	25	1	4	10	1	10	0.001	150	5	2.5			TO-52
U310	25	2.5	6	10	1	10	0.001	150	5	2.5			TO-52

* TO-236AB is standard for all devices.

Please refer to Surface Mount section for TO-236 Device Marking.

† = Typical Value

Junction FETS

