Amplifiers— Junction FET

Ordering Information Preferred Part Number	Package	g_{fs} min μ mho	I_{DSS} min/max mA		V_p min/max V		I_{GSS} max pA	BV_{GSS} min V	C_{iss} max pF	C_{rss} max pF	e_n max nv/$\sqrt{Hz}$
N-channel:											
2N3684	TO-72	2000	2.5	7.5	-2.0	-5.0	-100	-50	4	1.2	140 @ 100 Hz
2N3685	TO-72	1500	1.0	3.0	-1.0	-3.5	-100	-50	4	1.2	140 @ 100 Hz
2N3686	TO-72	1000	0.4	1.2	-0.6	-2.0	-100	-50	4	1.2	140 @ 100 Hz
2N3687	TO-72	500	0.1	0.5	-0.3	-1.2	-100	-50	4	1.2	140 @ 100 Hz
2N3821	TO-72	1500	0.5	2.5	-4.0	—	-100	-50	6	3.0	200 @ 10 Hz
2N3822	TO-72	3000	2.0	10.0	—	-6.0	-100	-50	6	3.0	200 @ 10 Hz
2N3823	TO-72	3500	4.0	20.0	-8.0	—	-500	-30	6	2.0	—
2N3824	TO-72	—	—	—	—	—	-100	-50	6	2.0	—
2N4117	TO-72	70	0.03	0.09	-0.6	-1.8	-10	-40	3	1.5	—
2N4117A	TO-72	70	0.03	0.09	-0.6	-1.8	-1	-40	3	1.5	—
2N4118	TO-72	80	0.08	0.24	-1.0	-3.0	-10	-40	3	1.5	—
2N4118A	TO-72	80	0.08	0.24	-1.0	-3.0	-1	-40	3	1.5	—
2N4119	TO-72	100	0.2	0.6	-2.0	-6.0	-10	-40	3	1.5	—
2N4119A	TO-72	100	0.2	0.6	-2.0	-6.0	-1	-40	3	1.5	—
2N4220	TO-72	1000	0.5	3.0	—	-4.0	-100	-30	6	2.0	—
2N4221	TO-72	2000	2.0	6.0	—	-6.0	-100	-30	6	2.0	—
2N4222	TO-72	2500	5.0	15.0	—	-8.0	-100	-30	6	2.0	—
2N4223	TO-72	3000	3.0	18.0	-0.1	-8.0	-250	-30	6	2.0	—
2N4224	TO-72	2000	2.0	20.0	-0.1	-0.8	-150	-30	6	2.0	—
2N4338	TO-18	600	0.2	0.6	-0.3	-1.0	-100	-50	7	3.0	65 @ 1 kHz
2N4339	TO-18	800	0.5	1.5	-0.6	-1.8	-100	-50	7	3.0	65 @ 1 kHz
2N4340	TO-18	1300	1.2	3.6	-1.0	-3.0	-100	-50	7	3.0	65 @ 1 kHz
2N4341	TO-18	2000	3.0	9.0	-2.0	-6.0	-100	-50	7	3.0	65 @ 1 kHz
2N4416	TO-72	4500	5.0	15.0		-6.0	-100	-30	4	2.0	—
2N4867	TO-72	700	0.4	1.2	-0.7	-2.0	-250	-40	25	5.0	10 @ 1 kHz
2N4867A	TO-72	700	0.1	1.2	-0.7	-2.0	-250	-40	25	5.0	5 @ 1 kHz
2N4868	TO-72	1000	1.0	3.0	-1.0	-3.0	-250	-40	25	5.0	10 @ 1 kHz
2N4868A	TO-72	1000	1.0	3.0	-1.0	-3.0	-250	-40	25	5.0	5 @ 1 kHz
2N4869	TO-72	1300	2.5	7.5	-1.8	-5.0	-250	-40	25	5.0	10 @ 1 kHz
2N4869A	TO-72	1300	2.5	7.5	-1.8	-5.0	-250	-40	25	5.0	5 @ 1 kHz
2N5397	TO-72	6000	10.0	30.0	-1.0	-6.0	-100	-25	5	1.2	3 dB @ 450 MHz
2N5398	TO-72	5000	5.0	40.0	-1.6	-0.1	-100	-25	5.5	1.3	—
2N5457	TO-92	1000	1.0	5.0	-0.5	-6.0	-1 nA	25	7	3.0	3 dB @ 450 MHz
2N5458	TO-92	1500	2.0	9.0	-1.0	-7.0	-1 nA	25	7	3.0	3 dB @ 450 MHz
2N5459	TO-92	2000	4.0	16.0	-2.0	-8.0	-1 nA	-25	7	3.0	3 dB @ 450 MHz
2N5484	TO-92	3000	1.0	5.0	-0.3	-0.3	-1 nA	-25	5	1.0	120 @ 1 kHz
2N5485	TO-92	3500	4.0	10.0	-0.5	-4.0	-1 nA	-25	5	1.0	120 @ 1kHz
2N5486	TO-92	4000	8.0	20.0	-2.0	-6.0	-1 nA	-30	5	1.0	120 @ 1 kHz
ITE4416	TO-92	4500	5.0	15.0		-6.0	-100	-30	4	2.0	—
J201	TO-92	500	0.2	1.0	-0.3	-1.5	-100	-40	4	1.0	5 @ 1 kHz
J202	TO-92	1000	0.9	4.5	-0.8	-4.0	-100	-40	4	1.0	5 @ 1 kHz
J203	TO-92	1500	4.0	20	-2.0	-10.0	-100	-40	4	1.0	5 @ 1 kHz
J204	TO-92	1500	1.2 typ		-0.5	-2.0	-100	-25	4	1.0	10 @ 1 kHz
J308	TO-92	8000	12.0	60.0	-1.0	—	-1 nA	-25	—	—	10 @ 100 Hz
J309	TO-92	10,000	12.0	30.0	-1.0	—	-1 nA	-25	—	—	10 @ 100 Hz
J310	TO-92	8000	24.0	60.0	-2.0	—	-1 nA	-25	—	—	10 @ 100 Hz
U308	TO-52	10,000	12.0	60.0	-1.0	-6.0	-150	-25	7 typ.	4.0 typ.	10 @ 10 Hz typ.
U309	TO-52	10,000	12.0	30.0	-1.0	-4.0	-150	-25	7 typ.	4.0 typ.	10 @ 10 Hz typ.
U310	TO-52	10,000	24.0	60.0	-2.5	-6.0	-150	-25	7 typ.	4.0 typ.	10 @ 10 Hz typ.
P-channel:											
2N2607	TO-18	330	-0.3	-1.5	1.0	4.0	3	30	7	2	400 @ 1 kHz
2N2608	TO-18	1000	-0.9	-4.5	1.0	4.0	10	30	7	2	180 @ 1 kHz
*2N2609	TO-18	2500	-2.0	-10.0	1.0	4.0	30	30	7	2	180 @ 1 kHz
2N5460	TO-92	1000	-1.0	-5.0	0.75	6.0	5	40	7	2	115 @ 100 Hz
2N5461	TO-92	1500	-2.0	-9.0	1.0	7.5	5	40	7	2	115 @ 100 Hz
2N5462	TO-92	2500	-4.0	-16.0	1.5	9.0	5	40	7	2	115 @ 100 Hz
2N5463	TO-92	1000	-1.0	-5.0	0.75	6.0	5	60	7	2	115 @ 100 Hz
2N5464	TO-92	1500	-2.0	-9.0	1.0	7.5	5	60	7	2	115 @ 100 Hz
2N5465	TO-92	2500	-4.0	-16.0	1.8	9.0	5	60	7	2	115 @ 100 Hz
U304	TO-18	—	-30	-90	—	5	.5	30	27	7	—
U305	TO-18	—	-15	-60	—	3	.5	30	27	7	—
U306	TO-18	—	-5	-25	—	1	.5	30	27	7	—

*JAN qualified