

Discrete Transistors

Amplifier Transistors

Junction FETs - N-Channel

Type	Package**	gfs μmho Min	IDSS mA		Vp V		IGSS pA Max	BV _{GSS} V Min	Ciss pF Max	Crss pF Max	en nV/√Hz Max
			Min	Max	Min	Max					
2N3684	TO-72	2000	2.5	7.5	-2.0	-5.0	-100	-50	4	1.2	150 @ 20Hz
2N3685	TO-72	1500	1.0	3.0	-1.0	-3.5	-100	-50	4	1.2	150 @ 20Hz
2N3686	TO-72	1000	0.4	1.2	-0.6	-2.0	-100	-50	4	1.2	150 @ 20Hz
2N3687	TO-72	500	0.1	0.5	-0.3	-1.2	-100	-50	4	1.2	150 @ 20Hz
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	-
2N4223	TO-72	3000	3.0	18.0	-0.1	-8.0	-250	-30	6	2	-
2N4224	TO-72	2000	2.0	20.0	-0.1	-0.8	-250	-30	6	2	-
2N4338	TO-18	600	0.2	0.6	-0.3	-1.0	-100	-50	7	3	65 @ 1kHz
2N4339	TO-18	800	0.5	1.5	-0.6	-1.8	-100	-50	7	3	65 @ 1kHz
2N4340	TO-18	1300	1.2	3.6	-1.0	-3.0	-100	-50	7	3	65 @ 1kHz
2N4341	TO-18	2000	3.0	9.0	-2.0	-6.0	-100	-50	7	3	65 @ 1kHz
2N4416	TO-72	4500	5.0	15.0	-	-6.0	-100	-30	4	2	-
2N5397	TO-72	6000	10.0	30.0	-1.0	-6.0	-100	-25	5.0	1.2	3.5dB @ 450MHz
2N5398	TO-72	5500	5.0	40.0	-1.0	-6.0	-100	-25	5.5	1.3	-
2N5457	TO-92	1000	1.0	5.0	-0.5	-6.0	-1nA	-25	7	3	3dB @ 1kHz
2N5458	TO-92	1500	2.0	9.0	-1.0	-7.0	-1nA	-25	7	3	3dB @ 1kHz
2N5459	TO-92	2000	4.0	16.0	-2.0	-8.0	-1nA	-25	7	3	3dB @ 1kHz
2N5484	TO-92	3000	1.0	5.0	-0.3	-3.0	-1nA	-25	5	1	120 @ 1kHz
2N5485	TO-92	3500	4.0	10.0	-0.5	-4.0	-1nA	-25	5	1	120 @ 1kHz
2N5486	TO-92	4000	8.0	20.0	-2.0	-6.0	-1nA	-25	5	1	120 @ 1kHz
J210	TO-92	4000	2.0	15.0	-1.0	-3.0	-100	-25	4 typ.	1 typ.	10 typ. @ 1kHz
J211	TO-92	6000	7.0	20.0	-2.5	-4.5	-100	-25	4 typ.	1 typ.	10 typ. @ 1kHz
J212	TO-92	7000	15.0	40.0	-4.0	-6.0	-100	-25	4 typ.	1 typ.	10 typ. @ 1kHz
PN4302	TO-92	1000	0.5	5.0	-	-4.0	-1nA	-30	6	2	2dB @ 1kHz
PN4303	TO-92	2000	4.5	10.0	-	-6.0	-1nA	-30	6	2	2dB @ 1kHz
PN4304	TO-92	1000	0.5	15.0	-	-10.0	-1nA	-30	6	2	3dB @ 1kHz
PN4338	TO-92	600	0.2	0.6	-0.3	-1.0	-100	-50	7	3	1dB @ 1kHz
PN4339	TO-92	800	0.5	1.5	-0.6	-1.8	-100	-50	7	3	1dB @ 1kHz
PN4340	TO-92	1300	1.2	3.6	-1.0	-3.0	-100	-50	7	3	1dB @ 1kHz
PN4341	TO-92	2000	3.0	9.0	-2.0	-6.0	-100	-50	7	3	1dB @ 1kHz
PN4416	TO-92	4500	5.0	15.0	-	-6.0	-100	-30	4	2	-

Junction FETs - P-Channel

Type	Package**	gfs μmho Min	IDSS mA		Vp V		IGSS pA Max	BV _{GSS} V Min	Ciss pF Max	Crss pF Max	en nV/√Hz Max
			Min	Max	Min	Max					
2N2609	TO-18	2500	-2.0	-10.0	1.0	4.0	30nA	30	30	-	180 @ 1kHz
2N5460	TO-92	1000	-1.0	-5.0	0.75	6.0	5nA	40	7	2	115 @ 100Hz
2N5461	TO-92	1500	-2.0	-9.0	1.0	7.5	5nA	40	7	2	115 @ 100Hz
2N5462	TO-92	2000	-4.0	-16.0	1.8	9.0	5nA	40	7	2	115 @ 100Hz
2N5463	TO-92	1000	-1.0	-5.0	0.75	6.0	5nA	60	7	2	115 @ 100Hz
2N5464	TO-92	1500	-2.0	-9.0	1.0	7.5	5nA	60	7	2	115 @ 100Hz
2N5465	TO-92	2000	-4.0	-16.0	1.8	9.0	5nA	60	7	2	115 @ 100Hz
J270	TO-92	6000	-2.0	-15.0	0.5	2.0	0.200	30	32 typ.	4 typ.	6 typ. @ 1kHz
J271	TO-92	8000	-6.0	-50.0	1.5	4.5	0.200	30	31 typ.	4 typ.	6 typ. @ 1kHz

* Most TO-92's are available lead formed to a TO-18 or TO-5 pinout. Also available in tape and reel (EIA STD RS-468).