

## Switching Transistors

### Junction FETs - N-Channel

Type	Package**	r <sub>DS(ON)</sub> Ω Max	V <sub>p</sub> V		I <sub>GSS</sub> pA Max	BV <sub>GSS</sub> V Min	I <sub>D(OFF)</sub> pA Max	I <sub>DSS</sub> mA		t <sub>ap</sub> ns Max	C <sub>rss</sub> pF Max	C <sub>iss</sub> pF Max
			Min	Max				Min	Max			
• 2N4091	TO-18	30	-5.0	-10.0	-200	-40	200	30	-	65	5	16
• 2N4092	TO-18	50	-2.0	-7.0	-200	-40	200	15	-	95	5	16
• 2N4093	TO-18	80	-1.0	-5.0	-200	-40	200	8	-	140	5	16
2N4391	TO-18	30	-4.0	-10.0	-100	-40	100	50	150	55	3.5	14
2N4392	TO-18	60	-2.0	-5.0	-100	-40	100	25	75	75	3.5	14
2N4393	TO-18	100	-0.5	-3.0	-100	-40	100	5	30	100	3.5	14
• 2N4856	TO-18	25	-4.0	-10.0	-250	-40	250	50	-	34	8	18
• 2N4857	TO-18	40	-2.0	-6.0	-250	-40	250	20	100	60	8	18
• 2N4858	TO-18	60	-0.8	-4.0	-250	-40	250	8	80	120	8	18
• 2N4859	TO-18	25	-4.0	-10.0	-250	-30	250	50	-	34	8	18
• 2N4860	TO-18	40	-2.0	-6.0	-250	-30	250	20	100	60	8	18
• 2N4861	TO-18	60	-0.8	-4.0	-250	-30	250	8	80	120	8	18
2N5432	TO-52	5	-4.0	-10.0	-200	-25	200	150	-	41	15	30
2N5433	TO-52	7	-3.0	-9.0	-200	-25	200	100	-	41	15	30
2N5434	TO-52	10	-1.0	-4.0	-200	-25	200	30	-	41	15	30
2N5638	TO-92	30	-	-12.0	-1nA	-30	1nA	50	-	24	4	10
2N5639	TO-92	60	-	-8.0	-1nA	-30	1nA	25	-	44	4	10
2N5640	TO-92	100	-	-6.0	-1nA	-30	1nA	5	-	63	4	10
2N5653	TO-92	50	-	-12.0	-1nA	-30	1nA	40	-	24	3.5	10
2N5654	TO-92	100	-	-8.0	-1nA	-30	1nA	15	-	44	3.5	10
J108	TO-92	8	-3.0	-10.0	-3nA	-25	3nA	80	-	41	-	-
J109	TO-92	12	-2.0	-6.0	-3nA	-25	3nA	40	-	41	-	-
J110	TO-92	18	-0.5	-4.0	-3nA	-25	3nA	10	-	41	-	-
J111	TO-92	30	-3.0	-10.0	-1nA	-35	1nA	20	-	48	-	-
J112	TO-92	50	-1.0	-5.0	-1nA	-35	1nA	5	-	48	-	-
J113	TO-92	100	-0.5	-3.0	-1nA	-35	1nA	2	-	48	-	-
PN4091	TO-92	30	-5.0	-10.0	-200	-40	200	30	-	65	5	16
PN4092	TO-92	50	-2.0	-7.0	-200	-40	200	15	-	95	5	16
PN4093	TO-92	80	-1.0	-5.0	-200	-40	200	8	-	140	5	16
PN5432	TO-92	5	-4.0	-10.0	-200	-25	200	150	-	41	15	30
PN5433	TO-92	7	-3.0	-9.0	-200	-25	200	100	-	41	15	30
PN5434	TO-92	10	-1.0	-4.0	-200	-25	200	30	-	41	15	30
U1897	TO-92	30	-5.0	-10.0	-400	-40	200	30	-	65	5	16
U1898	TO-92	50	-2.0	-7.0	-400	-40	200	15	-	95	5	16
U1899	TO-92	80	-1.0	-5.0	-400	-40	200	8	-	140	5	16

### Junction FETs - P-Channel

Type	Package**	r <sub>DS(ON)</sub> Ω Max	V <sub>p</sub> V		I <sub>GSS</sub> pA Max	BV <sub>GSS</sub> V Min	I <sub>D(OFF)</sub> pA Max	I <sub>DSS</sub> mA		t <sub>ap</sub> ns Max	C <sub>rss</sub> pF Max	C <sub>iss</sub> pF Max
			Min	Max				Min	Max			
2N3382	TO-72	300	1.0	5.0	15nA	30	-2nA	-3	-30	-	-	16 typ
2N5018	TO-18	75	-	12.0	2nA	30	-10nA	-10	-	100	10	45
2N5019	TO-18	150	-	7.0	2nA	30	-10nA	-5	-	215	10	45
• 2N5114	TO-18	75	5.0	10.0	500	30	-500	-30	-90	37	7	25
• 2N5115	TO-18	100	3.0	6.0	500	30	-500	-15	-60	66	7	25
• 2N5116	TO-18	150	1.0	4.0	500	30	-500	-5	-25	102	7	25
J174	TO-92	85	5.0	10.0	1nA	30	-1nA	-20	-135	22	-	-
J175	TO-92	125	3.0	6.0	1nA	30	-1nA	-7	-70	45	-	-
J176	TO-92	250	1.0	4.0	1nA	30	-1nA	-2	-35	70	-	-
J177	TO-92	300	0.8	2.25	1nA	30	-1nA	-1.5	-20	90	-	-
PN5114	TO-92	75	5.0	10.0	500	30	-500	-30	-90	37	7	25
PN5115	TO-92	100	3.0	6.0	500	30	-500	-15	-60	68	7	25
PN5116	TO-92	150	1.0	4.0	500	30	-500	-5	-25	102	7	25

• Also available as JAN/JANTX

\* 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).