

Switches — Junction FET

Ordering Information

Preferred Part Number	Package	$r_{DS(on)}$ max Ω	V_p min/max V	I_{GSS} max μA	BV_{GSS} min V	I_D (off) max μA	I_{DSS} min/max mA	t_{ap} max ns	C_{RSS} max pF	C_{ISS} max pF
N-channel: Generally requires driver circuit to translate the popular logic levels to voltages required to drive the JFET.										
2N3970	T0-18	30	-4.0 -10.0	—	-40	250	50 150	50	25	6.0
2N3971	T0-18	60	-2.0 -5.0	—	-40	250	25 75	90	25	6.0
2N3972	T0-18	100	-0.5 -3.0	—	-40	250	5 30	180	25	6.0
*2N4091	T0-18	30	-5.0 -10.0	-200	-40	200	30 —	65	16	5.0
*2N4092	T0-18	50	-2.0 -7.0	-200	-40	200	15 —	95	16	5.0
*2N4093	T0-18	80	-1.0 -5.0	-200	-40	200	8 —	140	16	5.0
2N4391	T0-18	30	-4.0 -10.0	-100	-40	100	50 150	55	14	3.5
2N4392	T0-18	60	-2.0 -5.0	-100	-40	100	25 75	75	14	3.5
2N4393	T0-18	100	-0.5 -3.0	-100	-40	100	5 30	100	14	3.5
*2N4856	T0-18	25	-4.0 -10.0	-250	-40	250	50	34	18	6.0
*2N4857	T0-18	40	-2.0 -6.0	-250	-40	250	20 100	60	18	6.0
*2N4858	T0-18	60	-0.8 -4.0	-250	-40	250	8 80	120	18	6.0
2N4859	T0-18	25	-4.0 -10.0	-250	-30	250	50	34	18	8.0
2N4860	T0-18	40	-2.0 -6.0	-250	-30	250	20 100	60	18	8.0
2N4861	T0-18	60	-0.8 -4.0	-250	-30	250	8 80	120	18	8.0
2N5432	T0-52	5	-4.0 -10.0	-200	-25	200	150 —	41	30	15.0
2N5433	T0-52	7	-3.0 -9.0	-200	-25	200	100 —	41	30	15.0
2N5434	T0-52	10	-1.0 -4.0	-200	-25	200	30 —	41	30	15.0
2N5638	T0-92	30	— -12.0	-1 nA	-30	1 nA	50 —	24	10	4.0
2N5639	T0-92	60	— -8.0	-1 nA	-30	1 nA	25 —	54	10	4.0
2N5640	T0-92	100	— -6.0	-1 nA	-30	1 nA	5 —	63	10	4.0
ITE4091	T0-92	30	-5.0 -10.0	-200	-40	200	30 —	65	16	5.0
ITE4092	T0-92	50	-2.0 -10.0	-200	-40	200	15 —	95	16	5.0
ITE4093	T0-92	80	-1.0 -10.0	-200	-40	200	8 —	140	16	5.0
ITE4391	T0-92	60	-4.0 -10.0	-100	-40	100	50 150	55	14	3.5
ITE4392	T0-92	100	-2.0 -10.0	-100	-40	100	25 75	75	14	3.5
ITE4393	T0-92	30	-0.5 -10.0	-100	-40	100	5 30	100	14	3.5
J105	T0-92	3	-4.5 -10.0	-3 nA	-25	3 nA	500 —	20	—	—
J106	T0-92	6	-2.0 -6.0	-3 nA	-25	3 nA	200 —	20	—	—
J107	T0-92	8	-0.5 -4.5	-3 nA	-25	3 nA	100 —	20	—	—
J111	T0-92	30	-3.0 -10.0	1 nA	35	1 nA	20 —	—	—	—
J112	T0-92	50	-1.0 -5.0	1 nA	35	1 nA	5 —	—	—	—
J113	T0-92	100	-0.5 -3.0	1 nA	35	1 nA	2 —	—	—	—
P-channel:										
2N3993	T0-72	150	4.0 9.5	1.2 nA	25	1.2 nA	-10 —	—	16	4.5
2N3994	T0-72	300	1.0 5.5	1.2 nA	25	1.2 nA	- 2 —	—	16	4.5
*2N5114	T0-18	75	5.0 10.0	500	30	500	-30 -90	37	25	7.0
*2N5115	T0-18	100	3.0 6.0	500	30	500	-15 -60	68	25	7.0
*2N5116	T0-18	150	1.0 4.0	500	30	500	- 5 -25	102	25	7.0
IT100	T0-18	75	2.0 4.5	200	35	100	-10 —	—	35	12.0
IT101	T0-18	60	4.0 10.0	200	35	100	-20 —	—	35	12.0
J174	T0-92	85	5.0 10.0	1 nA	30	-1 nA	-20 -100	—	—	—
J175	T0-92	125	3.0 6.0	1 nA	30	-1 nA	- 7 -60	—	—	—
J176	T0-92	250	1.0 4.0	1 nA	30	-1 nA	- 2 -25	—	—	—
J177	T0-92	300	0.8 2.25	1 nA	30	-1 nA	-1.5 -20	—	—	—
J270	T0-92	—	0.5 2.0	200	30	—	- 2 -15	—	20	5.0
J271	T0-92	—	1.5 4.5	200	30	—	- 6 -50	—	20	5.0

*JAN, JANTX, JANTXV qualified