



National
Semiconductor™

Discrete POWER & Signal
Technologies

N-Channel JFETs

Switches / Choppers

Device No.	Case Style	BV _{gss} BV _{gso} (V) @ I _g Min (μA)	I _{gss} *I _{dgso} (nA) @ V _{dg} Max (V)	I _{blom} @ V _{ds} (nA) (V) Max (V)	V _p (V) @ V _{ds} Min Max (V)	I _{oss} (mA) @ V _{ds} Min Max (V)	r _{ds(on)} (Ω) @ I _D Max (mA)	C _{iss} (pF) @ V _{ds} Max (V)	C _{iss} (pF) @ V _{ds} Max (V)	t _{on} (ns) Max	Process No.	Pkg. No.
2N5555	TO-92	25 10	1 15	10 12 -10	10	15	150	5 15 0	1.2 0 -10	25	50	92
2N5638	TO-92	30 10	1 15	1 15 -12	12	50 20	30 1	10 0 -12	4 0 -12		51	92
2N5639	TO-92	30 10	1 15	1 15 -8	8	25 20	60 1	10 0 -12	4 0 -8		51	92
2N5640	TO-92	30 10	1 15	1 15 -6	6	5 20	100 1	10 0 -12	4 0 -6		51	92
J105	TO-92	25 10	3 15	3 5 10	4.5 10 15 10	500 15	3				59 (7-1)	92
J106	TO-92	25 10	3 15	3 5 10	2 6 15 10	200 15	6 17				59 (7-1)	92
J107	TO-92	25 10	3 15	3 5 10	0.5 4.5 15 10	100 15	8 13				59 (7-1)	92
J108	TO-92	25 10	3 15	3 5 -10	3 10 15 10	80 15	8 10				58 (7-5)	92
J109	TO-92	25 10	3 15	3 5 -10	2 6 15 10	40 15	12 10				58 (7-5)	92
J110	TO-92	25 10	3 15	3 5 -10	0.5 4 15 10	10 15	18 10				58 (7-5)	92
J111	TO-92	35 1	10 15	1 5 -10	3 10 5 1000 20	15 15	30 1				51 (7-9)	92
J112	TO-92	35 1	10 15	1 5 -10	1 5 5 1000	5 15	50 1				51 (7-9)	92
J113	TO-92	35 1	10 15	1 5 -10	0.5 3 5 1000	2 15	100 1				51 (7-9)	92
PN4091	TO-92	40 1	0.2*	0.2 20 -12	5 10 20 1	30 20	30	16 20 0	5 20 0	40	51	92
PN4092	TO-92	40 1	0.2*	0.2 20 -8	2 7 20 1	15 20	50	16 20 0	5 20 0	60	51	92
PN4093	TO-92	40 1	0.2*	0.2 20 -6	1 5 20 1	8 20	80	16 20 0	5 20 0	80	51	92
PN4391	TO-92	40 1	0.1	0.1 20 -12	4 10 20 1	50 20	30	14 20 0	3.5 0 -12	35	51	92
PN4392	TO-92	40 1	0.1	0.1 20 -7	2 5 20 1	25 150	60	14 20 0	3.5 0 -7	80	51	92
PN4393	TO-92	40 1	0.1	0.1 20 -5	0.5 3 20 1	5 75 20	100	14 20 0	3.5 0 -5	130	51	92
PN4856	TO-92	40 1	0.25	0.25 15 -10	4 10 15 1	50 30 15	25	18 0 -10	8 0 -10	25	51	92
PN4857	TO-92	40 1	0.25	0.25 15 -10	2 6 15 0.5	20 100 15	40	18 0 -10	8 0 -10	50	51	92
PN4858	TO-92	40 1	0.25	0.25 15 -10	0.8 4 15 0.5	8 80 15	60	18 0 -10	8 0 -10	100	51	92
PN4859	TO-92	30 1	0.25	0.25 15 -10	4 10 15 0.5	50 15	25	18 0 -10	8 0 -10	25	51	92
PN4860	TO-92	30 1	0.25	0.25 15 -10	2 6 15 0.5	20 100 15	40	18 0 -10	8 0 -10	50	51	92
PN4861	TO-92	30 1	0.25	0.25 15 -10	0.8 4 15 0.5	8 80 15	60	18 0 -10	8 0 -10	100	51	92

NOTE: National preferred device for each process in **bold**. Number shown in parentheses indicates location (section-page) of device datasheet.