

6501130 NATL SEMICOND, (DISCRETE)

28C 35468 D

T-35-25

JFET Selection Guide

N-Channel JFETs

SWITCHES/CHOPPERS



Type No.	Case Style	BV _{GSD} (V) @ I _G Min	BV _{GSD} (V) @ I _G Max	I _{GSS} (mA) @ V _{DG} Max	I _{D(off)} (nA) @ V _{DS} V _{GS} (V)	V _p (V) @ V _{DS} Min Max	I _D (mA)	I _{DSS} (mA) @ V _{DS} Min Max	r _{ds(on)} (Ω) @ I _D Max (mA)	C _{iss} (pF) @ V _{DS} V _{GS} (V) Max	C _{rss} (pF) @ V _{DS} V _{GS} (V) Max	t _{on} (ns) Max	t _{off} (ns) Max	Process No.	Pkg. No.
2N3824	TO-72	50	1	0.1	30	8	15	0.1	15	-8	0.1	30	0.1	55	25
2N3966	TO-72	30	1	1	20	4	6	0.1	10	-7	0.1	20	0.1	50	25
2N3970	TO-18	40	1	0.25*	20	4	10	0.25	20	-12	0.25	20	0.25	51	02
2N3971	TO-18	40	1	0.25*	20	2	5	0.25	20	-12	0.25	20	0.25	51	02
2N3972	TO-18	40	1	0.25*	20	0.5	3	0.25	20	-12	0.25	20	0.25	51	02
2N4091	TO-18	40	1	0.2*	20	5	10	0.2	20	-12	0.2	20	0.2	51	02
2N4092	TO-18	40	1	0.2*	20	2	7	0.2	20	-8	0.2	20	0.2	51	02
2N4093	TO-18	40	1	0.2*	20	1	5	0.2	20	-6	0.2	20	0.2	51	02
2N4391	TO-18	40	1	0.1	20	4	10	0.1	20	-12	0.1	20	0.1	51	02
2N4392	TO-18	40	1	0.1	20	2	5	0.1	20	-7	0.1	20	0.1	51	02
2N4393	TO-18	40	1	0.1	20	0.5	3	0.1	20	-5	0.1	20	0.1	51	02
2N4856	TO-18	40	1	0.25	20	4	10	0.25	15	-10	0.25	15	0.25	51	02
2N4856A	TO-18	40	1	0.25	20	4	10	0.25	15	-10	0.25	15	0.25	51	02
2N4857	TO-18	40	1	0.25	20	2	6	0.25	15	-10	0.25	15	0.25	51	02
2N4857A	TO-18	40	1	0.25	20	0.8	4	0.25	15	-10	0.25	15	0.25	51	02
2N4858	TO-18	40	1	0.25	20	0.8	4	0.25	15	-10	0.25	15	0.25	51	02
2N4858A	TO-18	40	1	0.25	20	0.8	4	0.25	15	-10	0.25	15	0.25	51	02
2N4859	TO-18	30	1	0.25	15	4	10	0.25	15	-10	0.25	15	0.25	51	02
2N4859A	TO-18	30	1	0.25	15	4	10	0.25	15	-10	0.25	15	0.25	51	02
2N4860	TO-18	30	1	0.25	15	2	6	0.25	15	-10	0.25	15	0.25	51	02
2N4860A	TO-18	30	1	0.25	15	0.8	4	0.25	15	-10	0.25	15	0.25	51	02
2N4861	TO-18	30	1	0.25	15	0.8	4	0.25	15	-10	0.25	15	0.25	51	02
2N4861A	TO-18	30	1	0.25	15	0.8	4	0.25	15	-10	0.25	15	0.25	51	02
2N5432	TO-52	25	1	0.2	15	4	10	0.2	5	-10	0.2	5	0.2	58	07
2N5433	TO-52	25	1	0.2	15	3	9	0.2	5	-10	0.2	5	0.2	58	07
2N5434	TO-52	25	1	0.2	15	1	4	0.2	5	-10	0.2	5	0.2	58	07
2N5555	TO-92	25	10	1	15	(10)		1	15	-10	1	15	1	50	92
2N5638	TO-92	30	10	1	15	(12)		1	15	-12	1	15	1	51	92
2N5639	TO-92	30	10	1	15	(8)		1	15	-8	1	15	1	51	92
2N5640	TO-92	30	10	1	15	(6)		1	15	-6	1	15	1	51	92

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N-Channel JFETs

SWITCHES/CHOPPERS (Continued)



Type No.	Case Style	BV _{GSD} (V) @ I _G Min	BV _{GSD} (V) @ I _G Max	I _{GSS} -I _{DGO} (nA) @ V _{DG} Max (V)	I _{D(off)} (nA) @ V _{DS} Max (V)	V _p (V) @ V _{DS} Min	V _p (V) @ V _{DS} Max	I _D (nA)	I _{SS} (mA) @ V _{DS} Min	I _{SS} (mA) @ V _{DS} Max	r _{ds(on)} (Ω) @ I _D Max (mA)	C _{iss} (pF) @ V _{DS} Max (V)	C _{rss} (pF) @ V _{DS} Max (V)	V _{GS} (V)	V _{GS} (V)	t _{on} (ns) Max	t _{off} (ns) Max	Process No.	Pkg. No.
2N5653	TO-92	30	10	1	15	-12	(12)		40	20	50	10	3.5	0	-12	9	15	51	92
2N5654	TO-92	25	10	1	15	-8	(8)		15	20	100	10	3.5	0	-8	14	30	51	92
J108	TO-92	25	1	3	5	-10	3	10	80	15	8	130	0	-10	15	136	58	92	
J109	TO-92	25	1	3	5	-10	2	6	40	15	12	130	0	-10	15	136	58	92	
J110	TO-92	25	1	3	5	-10	0.5	4	10	15	18	130	0	-10	15	136	58	92	
J111	TO-92	35	1	1	15	-10	3	10	20	15	30	110	0	-10	15	135	51	92	
J112	TO-92	35	1	1	15	-10	1	5	5	15	50	110	0	-10	15	135	51	92	
J113	TO-92	35	1	1	15	-10	0.5	3	2	15	100	110	0	-10	15	135	51	92	
J114	TO-92	25	1	1	15	-10	3	10	15	15	150	14	0	-10	16	120	90	92	
PN4091	TO-92	40	1	0.2*	20	-12	5	10	30	20	30	16	20	0	5	25	40	51	92
PN4092	TO-92	40	1	0.2*	20	-8	2	7	15	20	50	16	20	0	5	35	60	51	92
PN4093	TO-92	40	1	0.2*	20	-6	1	5	8	20	80	16	20	0	5	60	80	51	92
PN4391	TO-92	40	1	0.1	20	-12	4	10	50	150	30	14	20	0	3.5	20	35	51	92
PN4392	TO-92	40	1	0.1	20	-7	2	5	25	75	60	14	20	0	3.5	40	80	51	92
PN4393	TO-92	40	1	0.1	20	-5	0.5	3	5	30	100	14	20	0	3.5	55	130	51	92
PN4856	TO-92	40	1	0.25	20	-10	4	10	50	15	25	18	0	-10	8	9	25	51	92
PN4857	TO-92	40	1	0.25	20	-10	2	6	20	100	40	18	0	-10	8	10	50	51	92
PN4858	TO-92	40	1	0.25	20	-10	0.8	4	8	80	60	18	0	-10	8	20	100	51	92
PN4859	TO-92	30	1	0.25	15	-10	4	10	50	15	25	18	0	-10	8	9	25	51	92
PN4860	TO-92	30	1	0.25	15	-10	2	6	20	100	40	18	0	-10	8	20	100	51	92
PN4861	TO-92	30	1	0.25	15	-10	0.8	4	8	80	60	18	0	-10	8	20	100	51	92
PN5432	TO-92	25	1	0.2	15	-10	4	10	150	15	5	30	0	-10	15	5	36	58	92
PN5433	TO-92	25	1	0.2	15	-10	3	9	100	15	7	30	0	-10	15	5	36	58	92
PN5434	TO-92	25	1	0.2	15	-10	1	4	30	15	10	30	0	-10	15	5	36	58	92
T1S73	TO-92	30	1	2	15	-10	4	10	50	15	25	18	0	-10	8	9	25	51	97
T1S74	TO-92	30	1	2	15	-10	2	6	20	100	40	18	0	-10	8	10	50	51	97
T1S75	TO-92	30	1	2	15	-10	0.8	4	8	80	60	18	0	-10	8	20	100	51	97
U1897	TO-92	40	1	0.2*	20	-10	5	10	30	20	30	16	20	0	5	25	40	51	92
U1898	TO-92	40	1	0.2*	20	-10	2	7	15	20	50	16	20	0	5	35	60	51	92
U1899	TO-92	40	1	0.2*	20	-10	1	5	8	20	80	16	20	0	5	60	80	51	92

t = typical value.

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