N-CHANNEL JUNCTION FETS FOR SWITCHING

type number	ratings		characteristics								package
	$\pm V_{DS}$ max. (V)	I_G max. (mA)	I_{DSS} min. (mA)	I_{DSS} max. (mA)	$-V_{(P)GS}$ min. (V)	$-V_{(P)GS}$ max. (V)	$R_{DS(on)}$ [1] max. (Ω)	t_{on} [2] max. (ns)	t_{off} [3] max. (ns)	C_{is} max. (pF)	
LEADED TYPES											
BSV78	40	50	50	–	3.75	11	25	10	10	10	TO-18
BSV79	40	50	20	–	2	7	40	18	16	10	TO-18
BSV80	40	50	10	–	1	5	60	30	32	10	TO-18
J108	25	50	80	–	3	10	8	4 [4]	6 [4]	15	TO-92
J109	25	50	40	–	2	6	12	4 [4]	6 [4]	15	TO-92
J110	25	50	10	–	0.5	4	18	4 [4]	6 [4]	15	TO-92
J111	40	50	20	–	3	10	30	13 [4]	35 [4]	28	TO-92
J112	40	50	5	–	1	5	50	13 [4]	35 [4]	28	TO-92
J113	40	50	2	–	0.5	3	100	13 [4]	35 [4]	28	TO-92
PN4391	40	50	50	150	4	10	30	15	20	16	TO-92
PN4392	40	50	25	75	2	5	60	15	35	16	TO-92
PN4393	40	50	5	30	0.5	3	100	15	50	16	TO-92
2N4091	40	10	30	–	5	10	30	25	40	16	TO-18
2N4092	40	10	15	–	2	7	50	35	60	16	TO-18
2N4093	40	10	8	–	1	5	80	60	80	16	TO-18
2N4391	40	50	50	150	4	10	30	15	20	14	TO-18
2N4392	40	50	25	75	2	5	60	15	35	14	TO-18
2N4393	40	50	5	30	0.5	3	100	15	50	14	TO-18
2N4856	40	50	50	–	4	10	25	9	25	18	TO-18
2N4857	40	50	20	100	2	6	40	10	50	18	TO-18
2N4858	40	50	8	80	0.8	4	60	20	100	18	TO-18
2N4859	30	50	50	–	4	10	25	9	25	18	TO-18
2N4860	30	50	20	100	2	6	40	10	50	18	TO-18
2N4861	30	50	8	80	0.8	4	60	20	100	18	TO-18
SURFACE-MOUNT TYPES											
BSR56	40	50	50	–	4	10	25	9	25	–	SOT23
BSR57	40	50	20	100	2	6	40	10	50	–	SOT23
BSR58	40	50	8	80	0.8	4	60	20	100	–	SOT23
PMBF4391	40	50	50	150	4	10	30	15	20	14	SOT23
PMBF4392	40	50	25	75	2	5	60	15	35	14	SOT23
PMBF4393	40	50	5	30	0.5	3	100	15	50	14	SOT23
PMBFJ108	25	50	80	–	3	10	8	4 [4]	6 [4]	85	SOT23
PMBFJ109	25	50	40	–	2	6	12	4 [4]	6 [4]	85	SOT23
PMBFJ110	25	50	10	–	0.5	4	18	4 [4]	6 [4]	85	SOT23
PMBFJ111	40	50	20	–	3	10	30	13 [4]	35 [4]	28 [4]	SOT23
PMBFJ112	40	50	5	–	1	5	50	13 [4]	35 [4]	28 [4]	SOT23
PMBFJ113	40	50	2	–	0.5	3	100	13 [4]	35 [4]	28 [4]	SOT23
PZFJ108	25	50	80	–	3	10	8	4 [4]	6 [4]	85	SOT223
PZFJ109	25	50	40	–	2	6	12	4 [4]	6 [4]	85	SOT223
PZFJ110	25	50	10	–	0.5	4	18	4 [4]	6 [4]	85	SOT223

[1] at $I_D = 0$; $V_{GS} = 0$ [2] $t_{on} = t_{delay} + t_{rise}$ [3] $t_{off} = t_{delay} + t_{fall}$ [4] typical value