

T-91-60

N-Channel JFETs

Matched Dual Devices

ELECTRICAL CHARACTERISTICS at $T_A = 25^\circ\text{C}$

Device Type	$V_{BR,GSS}$		I_{GSS}		$V_{GS(off)}$				I_{DSS}			g_m			C_{ISS}^1		C_{RSS}^1		$V_{GS1} - V_{GS2}$
	Min (V)	I_{IG} (μA)	Max (nA)	V_{GS} (V)	Limits		Conditions		Min (mA)	Max (mA)	V_{DS} (V)	Min (mS)	Max (mS)	V_{DS} (V)	Max (pF)	V_{DS} (V)	Max (pF)	V_{DS} (V)	
					Min (V)	Max (V)	V_{DS} (V)	I_D (nA)											
2N3954	-50	-1.0	-0.1	-30	-1.0	-4.5	20	1.0	0.5	5.0	20	1.0	3.0	20	4.0	20	1.2	20	5.0
2N3955	-50	-1.0	-0.1	-30	-1.0	-4.5	20	1.0	0.5	5.0	20	1.0	3.0	20	4.0	20	1.2	20	10
2N3956	-50	-1.0	-0.1	-30	-1.0	-4.5	20	1.0	0.5	5.0	20	1.0	3.0	20	4.0	20	1.2	20	15
2N3957	-50	1.0	-0.1	-30	-1.0	-4.5	20	1.0	0.5	5.0	20	1.0	3.0	20	4.0	20	1.2	20	20
2N5045	-50	1.0	-0.25	-30	-0.5	-4.5	15	0.5*	0.5	8.0	15	1.5	6.0	15	8.0	15	4.0	15	5.0
2N5046	-50	1.0	-0.25	-30	-0.5	-4.5	15	0.5	0.5	8.0	15	1.5	6.0	15	8.0	15	4.0	15	10
2N5047	50	1.0	0.25	-30	0.5	-4.5	15	0.5	0.5	8.0	15	1.5	6.0	15	8.0	15	4.0	15	15
2N5196	50	1.0	-0.1	-30	0.7	4.0	20	1.0	0.7	7.0	20	1.0	4.0	20	6.0	20	2.0	20	5.0
2N5197	50	1.0	-0.1	30	0.7	4.0	20	1.0	0.7	7.0	20	1.0	4.0	20	6.0	20	2.0	20	5.0
2N5198	50	1.0	0.1	30	0.7	4.0	20	1.0	0.7	7.0	20	1.0	4.0	20	6.0	20	2.0	20	10
2N5199	50	1.0	-0.1	30	0.7	4.0	20	1.0	0.7	7.0	20	1.0	4.0	20	6.0	20	2.0	20	15
2N5545	50	1.0	-0.1	30	0.5	-4.5	15	0.5	0.5	8.0	15	1.5	6.0	15	6.0	15	2.0	15	5.0
2N5546	-50	1.0	-0.1	30	0.5	-4.5	15	0.5	0.5	8.0	15	1.5	6.0	15	6.0	15	2.0	15	10
2N5547	-50	1.0	-0.1	30	0.5	-4.5	15	0.5	0.5	8.0	15	1.5	6.0	15	6.0	15	2.0	15	15
2N5561	-50	1.0	-0.1	30	0.8	-3.0	20	1.0	1.0	10	20	—	—	—	15	20	4.0	20	5.0
2N5562	-50	1.0	0.1	30	-0.8	-3.0	20	1.0	1.0	10	20	—	—	—	15	20	4.0	20	10
2N5563	-50	-1.0	-0.1	-30	-0.8	-3.0	20	1.0	1.0	10	20	—	—	—	15	20	4.0	20	15
2N5911	-25	-1.0	-0.1	-15	-1.0	-5.0	10	1.0	7.0	40	10	5.0	10	10 ²	5.0	10 ²	1.2	10 ²	10
2N5912	25	1.0	-0.1	15	1.0	-5.0	10	1.0	7.0	40	10	5.0	10	10 ⁴	5.0	10 ²	1.2	10 ²	15
U231	-50	-1.0	-0.1	30	0.5	-4.5	20	1.0	0.5	5.0	20	1.0	5.0	20	6.0	20	2.0	20	5.0
U232	50	1.0	-0.1	30	0.5	-4.5	20	1.0	0.5	5.0	20	1.0	5.0	20	6.0	20	2.0	20	10
U233	-50	1.0	-0.1	-30	0.5	4.5	20	1.0	0.5	5.0	20	1.0	5.0	20	6.0	20	2.0	20	15
U234	-50	1.0	-0.1	30	0.5	4.5	20	1.0	0.5	5.0	20	1.0	5.0	20	6.0	20	2.0	20	20
U235	-50	-1.0	-0.1	-30	0.5	-4.5	20	1.0	0.5	5.0	20	1.0	5.0	20	6.0	20	2.0	20	25
U257	-25	-1.0	0.1	-15	1.0	-5.0	10	1.0	5.0	40	10	4.5	10	10 ²	5.0	10 ²	1.2	10 ²	100
U401	-50	-1.0	-0.25	-30	-0.5	2.5	15	1.0	0.5	10	10	2.0	7.0	10	8.0	10 ³	3.0	10 ³	5.0
U402	-50	-1.0	-0.25	-30	0.5	-2.5	15	1.0	0.5	10	10	2.0	7.0	10	8.0	10 ³	3.0	10 ³	10
U403	-50	-1.0	-0.25	-30	0.5	-2.5	15	1.0	0.5	10	10	2.0	7.0	10	8.0	10 ³	3.0	10 ³	10
U404	-50	-1.0	-0.25	-30	-0.5	2.5	15	1.0	0.5	10	10	2.0	7.0	10	8.0	10 ³	3.0	10 ³	15
U405	-50	-1.0	-0.25	-30	0.5	-2.5	15	1.0	0.5	10	10	2.0	7.0	10	8.0	10 ³	3.0	10 ³	20
U406	-50	-1.0	-0.25	-30	0.5	-2.5	15	1.0	0.5	10	10	2.0	7.0	10	8.0	10 ³	3.0	10 ³	40
U410	-40	-1.0	-0.2	-30	0.5	3.5	20	1.0	0.5	5.0	20	1.0	4.0	20	4.5	20	1.2	20	10
U411	-40	-1.0	-0.2	30	-0.5	3.5	20	1.0	0.5	5.0	20	1.0	4.0	20	4.5	20	1.2	20	20
U412	-40	-1.0	-0.2	30	-0.5	3.5	20	1.0	0.5	5.0	20	1.0	4.0	20	4.5	20	1.2	20	40

NOTES
 1) $V_{GS} = 0\text{V}$
 2) $I_D = 5\text{mA}$
 3) $I_G = 200\ \mu\text{A}$

 InterFET.
 214-487-1287
 FAX 214-276-3375