

METAL-CASE JUNCTION FIELD-EFFECT TRANSISTORS

N-Channel JFETs

Monolithic Dual Devices

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

Device Type	$V_{\text{BR}(\text{GSS})}$		I_{GSS}		$V_{\text{GS}(\text{OFF})}$				I_{DSS}			θ_{fs}			C_{ISS}^1		C_{RSS}^1		$V_{\text{GS1}} - V_{\text{GS2}}$	Process
					Limits		Conditions		Limits		Conditions	Limits	Conditions	Limits						
	Min (V)	@ I_{D} (μA)	Max (nA)	@ V_{GS} (V)	Min. (V)	Max. (V)	V_{DS} (V)	I_{D} (nA)	Min. (mA)	Max. (mA)	@ V_{DS} (V)	Min. (mS)	Max. (mS)	@ V_{DS} (V)	Max. (pF)	@ V_{DS} (V)	Max. (pF)	@ V_{DS} (V)	Max. (mV)	
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
2N5562	-50	-1.0	-0.1	-30	-0.8	-3.0	20	1.0	1.0	10	20	—	—	—	15	20	4.0	20	10	NJ35D
2N5563	-50	-1.0	-0.1	-30	-0.8	-3.0	20	1.0	1.0	10	20	—	—	—	15	20	4.0	20	15	NJ35D
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	NJ28D
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	NJ28D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D
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	NJ35D

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