

METAL-CASE JUNCTION FIELD-EFFECT TRANSISTORS

N-Channel JFETs

Monolithic Dual Devices

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

Device Type	$V_{B(R)GSS}$				$V_{GS(off)}$				I_{DSS}				g_{fs}				C_{iss}^1		C_{rss}^1		$V_{GS1}-V_{GS2}$	Process
					Limits		Conditions		Limits		Conditions		Limits		Conditions							
	Min (V)	$(\alpha I_B$ (μA)	Max (nA)	$(\alpha V_{GS}$ (V)	Min. (V)	Max. (V)	V_{DS} (V)	I_D (nA)	Min. (mA)	Max. (mA)	$(\alpha V_{DS}$ (V)	Min. (mS)	Max. (mS)	$(\alpha V_{DS}$ (V)	Max. (pF)	$(\alpha V_{DS}$ (V)	Max. (pF)	$(\alpha V_{DS}$ (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	-0.025	-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	-0.025	-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	-0.025	-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	-0.025	-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	-0.025	-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	-0.025	-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) $V_{GS} = 0\text{ V}$
- 2) $I_D = 5\text{ mA}$
- 3) $I_D = 200\text{ }\mu\text{A}$