

# "J" Type Field Effect Transistors

Type No.	Case Style	OPERATING CONDITIONS FOR THESE CHARACTERISTICS										Max	$\bar{e}_n$ (nV/√Hz) @ f (Hz)	
		OP. CHAR.		$V_{GS1-2}$	DRIFT	$I_G$	$G_{fs}$		$G_{oss}$	CMRR	$V_{gs}$			
		$V_{DG}$ (V)	$I_D$ (μA)	VOS (mV) Max	(μV/°C) $\Delta V_{GS}$ Max	(pA) Max	Min	Max	Max	(dB) Min	Min	Max		
2N3921	TO-71	10	700	5.0	10	250	1500		20				100	1.0k
2N3922	TO-71	10	700	5.0	25	250	1500		20				100	1.0k
2N3934	TO-71	10	200	5.0	10	100	300		5.0				See 2N3954-6 as an	
2N3935	TO-71	10	200	5.0	25	100	300		5.0				See 2N3954-6 as an	
2N3954A	TO-71	20	200	5.0	5.0	50					0.5	4.0	150	100
2N3954	TO-71	20	200	5.0	10	50					0.5	4.0	150	100
2N3955A	TO-71	20	200	5.0	15	50					0.5	4.0	150	100
2N3955	TO-71	20	200	10	25	50					0.5	4.0	150	100
2N3956	TO-71	20	200	15	50	50					0.5	4.0	150	100
2N3957	TO-71	20	200	20	75	50					0.5	4.0	150	100
2N3958	TO-71	20	200	25	100	50					0.5	4.0	150	100
2N4082	TO-71	10	200	15	10	100	300		10				See 2N3954-6 as an	
2N4083	TO-71	10	200	15	25	100	300		10				See 2N3954-6 as an	
2N4084	TO-71	10	700	15	10	250	1500		20		0.5	4.0	100	1.0k
2N4085	TO-71	10	700	15	25	250	1500		20				100	1.0k
2N5045	TO-71	15	200	5.0	67								200	10
2N5046	TO-71	15	200	10	133								200	10
2N5047	TO-71	15	200	15	200								200	10
2N5196	TO-71	20	200	5.0	5.0	15	700	1500	4.0		0.2	3.8	200	1.0k
2N5197	TO-71	20	200	5.0	10	15	700	1500	4.0		0.2	3.8	20	1.0k
2N5198	TO-71	20	200	10	20	15	700	1500	4.0		0.2	3.8	20	1.0k
2N5199	TO-71	20	200	15	40	15	700	1500	4.0		0.2	3.8	20	1.0k
2N5452	TO-71	20	200	5.0	5.0				1.0		0.2	4.2	20	1.0k
2N5453	TO-71	20	200	10	10				1.0		0.2	4.2	20	1.0k
2N5454	TO-71	20	200	15	25				1.0		0.2	4.2	20	1.0k
●2N5545	TO-71	15	200	5.0	10	50							180	10
●2N5546	TO-71	15	200	10	20	50							200	10
●2N5547	TO-71	15	200	15	40	50								
2N5561	TO-71	10	700	5.0	5.0		2.0k	3.0k	4.0				50	10
2N5562	TO-71	10	700	10	10		2.0k	3.0k	4.0				50	10
2N5563	TO-71	10	700	15	25		2.0k	3.0k	4.0				50	10

Datasheet.Directory

## "J" Type Field Effect Transistors

C <sub>iss</sub> (pF) Max	C <sub>rss</sub> (pF) Max	BV (V) Min	I <sub>DSS</sub> (mA)		V <sub>p</sub> (V)		G <sub>fs</sub> (μmho)		G <sub>oss</sub> (μmho) Max	I <sub>GSS</sub> (pA) Max	V <sub>DG</sub> (V) e	I <sub>DSS</sub> Match %	G <sub>fs</sub> Match %	G <sub>oss1-2</sub> (μmho)	I <sub>G1-I<sub>G2</sub></sub> 125°C (nA)
			Min	Max	Min	Max	Min	Max							
+18	+6.0	50	1.0	10	-3.0		1.5	7.5	35	1000	30		5.0		
+18	+6.0	50	1.0	10	-3.0		1.5	7.5	35	1000	30		5.0		
improved replacement															
improved replacement															
+4.0	+1.2	50	0.5	5.0	1.0	4.5	1.0	3.0	35	100	30	5.0	3.0		10
+4.0	+1.2	50	0.5	5.0	1.0	4.5	1.0	3.0	35	100	30	5.0	3.0		10
+4.0	+1.2	50	0.5	5.0	1.0	4.5	1.0	3.0	35	100	30	5.0	3.0		10
+4.0	+1.2	50	0.5	5.0	1.0	4.5	1.0	3.0	35	100	30	5.0	5.0		10
+4.0	+1.2	50	0.5	5.0	1.0	4.5	1.0	3.0	35	100	30	5.0	5.0		10
+4.0	+1.2	50	0.5	5.0	1.0	4.5	1.0	3.0	35	100	30	10	10		10
+4.0	+1.2	50	0.5	5.0	1.0	4.5	1.0	3.0	35	100	30	15	15		10
improved replacement															
improved replacement															
+18	+6.0	50	1.0	10		3.0	1.5	7.5	35	1000	30		5.0		
+18	+6.0	50	1.0	10		3.0	1.5	7.5	35	1000	30		5.0		
+8.0	+4.0	50	0.5	8.0	0.5	4.5	1.5	6.0	25	250	30		5.0	1.0	
+8.0	+4.0	50	0.5	8.0	0.5	4.5	1.5	6.0	25	250	30		10	2.0	
+8.0	+4.0	50	0.5	8.0	0.5	4.5	1.5	6.0	25	250	30		20	3.0	
+6.0	+2.0	50	0.7	7.0	0.7	4.5	1.0	4.0	50	25	30	5.0	3.0	1.0	5.0
+6.0	+2.0	50	0.7	7.0	0.7	4.5	1.0	4.0	50	25	30	5.0	3.0	1.0	5.0
+6.0	+2.0	50	0.7	7.0	0.7	4.5	1.0	4.0	50	25	30	5.0	5.0	1.0	5.0
+6.0	+2.0	50	0.7	7.0	0.7	4.5	1.0	4.0	50	25	30	5.0	5.0	1.0	5.0
4.0	1.2	50	0.5	5.0	1.0	4.5	1.0	3.0	3.0	100	30	5.0	3.0	0.25	
4.0	1.2	50	0.5	5.0	1.0	4.5	1.0	3.0	3.0	100	30	5.0	3.0	0.25	
4.0	1.2	50	0.5	5.0	1.0	4.5	1.0	3.0	3.0	100	30	5.0	5.0	0.25	
+6.0	+2.0	50	0.5	8.0	0.5	4.5	1.5	6.0	25	100	30	5.0	3.0	1.0	5.0
+6.0	+2.0	50	0.5	8.0	0.5	4.5	1.5	6.0	25	100	30	10	5.0	2.0	5.0
+6.0	+2.0	50	0.5	8.0	0.5	4.5	1.5	6.0	25	100	30	10	10	3.0	5.0
15	4.0	50	1.0	10	0.8	3.0				100	30	5.0	3.0	0.3	
15	4.0	50	1.0	10	0.8	3.0				100	30	5.0	3.0	0.4	
15	4.0	50	1.0	10	0.8	3.0				100	30	5.0	5.0	0.5	

# Packaging Information

<p><b>PACKAGING INFORMATION</b></p>	<p>1. CATHODE 2. GATE 3. ANODE</p>	<p><b>SCR</b> 1. CATHODE 2. GATE 3. ANODE</p>	<p><b>TRIAc</b> 1. MT 1 2. GATE 3. MT 2</p>
	<p><b>TO-18 (PLASTIC)</b></p>	<p><b>TO-92</b></p>	
<p>1. CATHODE 2. GATE 3. ANODE</p>	<p><b>SCR</b> 1. CATHODE 2. GATE 3. ANODE</p>	<p><b>TRIAc</b> 1. MT 1 2. GATE 3. MT 2</p>	
<p><b>TO-18</b></p>	<p><b>TO-39</b></p>	<p><b>TO-48D</b></p>	