

PRODUCT CATALOG

LOW POWER FIELD EFFECT TRANSISTORS

OPERATIONAL AMPLIFIERS

Type Number	Case Style (TO-)	Avol Min V/mV	Ib Max (nA)	Ios. Max (nA)	Vos Max (mV)	Rin Min (Mohm)	Vout Min (V)	CMRR Min (dB)	Pd Max (mW)	$\Delta V_{os}/\Delta T_s$ Typ (uV/°C)	$\Delta I_{os}/\Delta T_s$ Typ (pA/°C)	Aoui Typ (ohm)	ss Typ nV/V μ
UC4250•	99	100	15	5.0	3.0	3	12.0	70	.48	5.0	1.7	2K	35
UC4250C•	99	75	39	10.0	6.0	3	12.0	70	.6	5.0	1.0	2K	35

• Note: Also available with MIL-STD-883C, in 8 pin mini dip package, and chip form.

JAN, JANTX, JANTXV FIELD EFFECT TRANSISTORS

TYPE Number	19500/	JAN	JTX	JTXV	BVgss	Vgs(off)		Idss		R(on) Max (ohms)	Yls ¹ /Yls ¹ Match (%)	Idss ¹ /Idss ² Match (%)	Vgs ¹ Vgs ¹ (mV)	ΔV_{gs} (uV/°C)
					Min (V)	Min Max (V)	Min Max (mA)							
2N2609	296	X			30	1.0	4.0	2.0	10.0	—	—	—	—	—
2N3821	375	X	X	X	50	—	4.0	0.5	2.5	—	—	—	—	—
2N3822	375	X	X	X	50	—	6.0	2.0	10.0	—	—	—	—	—
2N3823	375	X	X	X	50	—	8.0	4.0	20.0	—	—	—	—	—
2N4856	385	X	X	X	40	4.0	10.0	50.0	—	25	—	—	—	—
2N4857	385	X	X	X	40	2.0	6.0	20.0	100.0	40	—	—	—	—
2N4858	385	X	X	X	40	0.8	4.0	8.0	80.0	60	—	—	—	—
2N4859	385	X	X	X	30	4.0	10.0	50.0	—	25	—	—	—	—
2N4860	385	X	X	X	30	2.0	6.0	20.0	100.0	40	—	—	—	—
2N4861	385	X	X	X	30	0.8	4.0	8.0	80.0	60	—	—	—	—
2N5114	476	X	X	X	30	5.0	10.0	30.0	90.0	90	—	—	—	—
2N5115	476	X	X	X	30	3.0	6.0	16.0	60.0	60	—	—	—	—
2N5116	476	X	X	X	30	1.0	4.0	5.0	25.0	25	—	—	—	—
2N5545	430	X	X	X	50	—	4.5	0.5	8.0	—	3.0	5.0	5.0	10.0
2N5546	430	X	X	X	50	—	4.5	0.5	8.0	—	5.0	10.0	10.0	20.0
2N5547	430	X	X	X	50	—	4.5	0.5	8.0	—	10.0	10.0	15.0	40.0



Devices, Inc.

PRODUCT CATALOG

LOW POWER FIELD EFFECT TRANSISTORS

GENERAL PURPOSE N-CHANNEL

Type Number	Case Style (TO—)	Geometry	•BVDgo or	Ciss Max (pF)	Crss Max (pF)	Vgs (off)		I _{gss} Max (nA)	Y _{is} (uMhos)		I _{dss} (mA)		R(on) Max (ohms)	Y _{os} Max (uMhos)
			BV _{gss} Min (V)			Min	Max		Min	Max	Min	Max		
2N3066	18	FN22.2	50	10.0	—	—	9.5	1.0	400	1000	—	4.00	—	50
2N3067	18	FN22.2	50	10.0	—	—	4.5	1.0	300	1000	—	1.00	—	50
2N3068	18	FN2.2	50	10.0	—	—	2.2	1.0	200	1000	—	0.25	—	50
2N3069	18	FN22.2	•50	15.0	1.5	—	9.5	1.0	750	2500	0.50	2.5	—	80
2N3070	18	FN22.2	•50	15.0	1.5	—	4.5	1.0	750	2500	0.5	2.50	—	30
2N3071	18	FN3.6	•50	15.0	1.5	—	2.2	1.0	500	2500	0.1	0.60	—	7
2N3085	18	FN22.2	15	14.0	—	—	10.0	1.0	400	2000	—	3.00	—	50
2N3087	18	FN22.2	15	14.0	—	—	10.0	1.0	400	2000	—	3.00	—	50
2N3089	18	FN22.2	15	6.0	2.0	—	5.0	1.0	300	2000	0.50	2.0	—	50
2N3089A	18	FN22.2	15	6.0	2.0	—	5.0	1.0	300	2000	0.5	2.00	—	50
2N3365	18	FN22.2	•40	15.0	2.5	—	11.5	5.0	400	2000	0.8	4.00	—	50
2N3366	18	FN22.2	40	15.0	—	—	6.5	5.0	250	1000	—	1.00	—	20
2N3367	18	FN22.2	•40	15.0	2.5	—	2.2	5.0	100	1000	0.05	0.25	—	10
2N3368	18	FN3.6	•40	20.0	2.0	—	11.5	5.0	1000	4000	2.0	12.00	—	80
2N3369	18	FN22.2	•40	20.0	2.0	—	6.5	5.0	600	2500	0.5	2.50	—	30
2N3370	18	FN22.2	•40	20.0	3.0	—	3.2	5.0	300	2500	0.1	0.60	—	15
2N3436	18	FN3.6	•50	18.0	6.0	—	9.8	0.5	2300	10000	3.0	15.00	—	35
2N3437	18	FN3.6	•50	18.0	6.0	—	4.8	0.5	1500	6000	0.8	4.00	—	20
2N3438	18	FN22.2	•50	18.0	6.0	—	2.3	0.5	800	4500	0.2	1.00	—	5
2N3452	18	FN2.2	•50	6.0	1.5	—	9.8	0.1	200	1200	0.8	4.00	—	15
2N3453	18	FN2.2	•50	6.0	1.5	—	4.8	0.1	150	900	0.2	1.00	—	5
2N3454	18	FN2.2	•50	6.0	1.5	—	2.3	0.1	100	600	0.05	0.25	—	3
2N3455	18	FN2.2	•50	5.0	1.5	—	9.8	0.4	300	9000	0.8	4.00	—	5
2N3456	18	FN2.2	•50	5.0	1.5	—	4.8	0.4	150	600	0.2	1.00	—	3
2N3457	72	FN2.2	•50	5.0	1.5	—	2.3	0.4	150	600	0.05	0.25	—	3
2N3458	18	FN3.6	•50	18.0	5.0	—	7.8	0.25	2500	10000	3.0	15.00	—	35
2N3459	18	FN3.6	•50	18.0	5.0	—	3.4	0.25	1500	6000	0.8	4.00	—	20
2N3460	18	FN3.6	•50	18.0	5.0	—	1.8	0.25	800	4500	0.2	1.00	—	5
2N3684	72	FN22.2	50	4.0	1.2	2.0	5.0	0.1	2000	3000	2.5	7.50	—	50
2N3685	72	FN22.2	50	4.0	1.2	1.0	3.5	0.1	1500	2500	1.0	3.00	—	25
2N3686	72	FN22.2	50	—	4.0	1.2	0.6	2.0	0.1	1000	2000	0.4	1.20	10
2N3687	72	FN22.2	50	—	4.0	1.2	0.3	1.2	0.1	500	1500	0.1	0.50	5
2N3821•	72	FN3.6	50	6.0	3.0	—	4.0	0.1	0.1	1500	4500	0.5	2.50	10
2N3822•	72	FN3.6	50	6.0	3.0	—	6.0	0.1	0.1	1500	4500	0.5	2.50	10
2N3967	72	FN2.5	50	6.0	3.0	—	5.0	0.1	0.1	3000	6500	2.0	10.00	20
2N3967A	72	FN2.5	30	5.0	1.3	2.0	5.0	0.1	2500	—	2.5	10.00	—	35
2N3968	72	FN2.5	30	5.0	1.3	0.5	3.0	0.1	2000	—	1.0	5.00	—	15
2N3968A	72	FN2.5	30	5.0	1.3	0.5	3.0	0.1	2000	—	1.0	5.00	—	15
2N3969	72	FN2.5	30	5.0	1.3	0.3	1.7	0.1	1300	—	0.4	2.00	—	5
2N3969A	72	FN2.5	30	5.0	1.3	0.3	1.7	0.1	1300	—	0.4	2.00	—	5
2N4139	18	FN2.5	50	18.0	5.0	2.0	8.0	1.0	3500	7000	8.0	11.00	—	35
2N4220	72	FN22.2	30	6.0	2.0	—	4.0	0.1	1000	4000	0.5	3.00	—	10

• These devices are qualified for JAN, JTX, and JTXV.

Most of these devices are available in an epoxy TO-92 package (KK prefix) with similar electrical characteristics. Specify KB prefix for leads formed to TO-18/TO-106 pin circle configuration.

PRODUCT CATALOG

LOW POWER FIELD EFFECT TRANSISTORS

GENERAL PURPOSE N-CHANNEL

Type Number	Case Style (TO—)	Geometry	BVD _{go} or BV _{gss}		C _{iss} Max (pF)	C _{rss} Max (pF)	V _{gs} (off)		I _{gss} Max (nA)	Y _{fs}		I _{dss}		R(on) Max (ohms)	Y _{os} Max (uMhos)
			Min (V)	Max (V)			Min (V)	Max (V)		Min (uMhos)	Max (uMhos)	Min (mA)	Max (mA)		
2N4220A	72	FN22.2	30	6.0	2.0	0.5	4.0	0.1	1000	4000	0.5	3.0	—	10	
2N4221	72	FN22.2	30	6.0	2.0	1.0	6.0	0.1	2000	5000	0.2	6.0	—	20	
2N4221A	72	FN22.2	30	6.0	2.0	1.0	6.0	0.1	2000	5000	0.2	6.0	—	20	
2N4222	72	FN2.5	30	6.0	2.0	2.0	8.0	0.1	2500	6000	5.0	15.0	—	40	
2N4222A	72	FN2.5	30	6.0	2.0	2.0	8.0	0.1	2500	6000	5.0	15.0	—	40	
2N4224	72	FN2.5	30	6.0	2.0	0.1	8.0	0.5	2000	7500	2.0	20.0	—	—	
2N4302	92	FN2.5	30	6.0	3.0	—	4.0	1.0	1000	—	0.5	5.0	—	50	
2N4303	92	FN2.5	30	6.0	3.0	—	6.0	1.0	2000	—	4.0	10.0	—	50	
2N4304	92	FN22.2	30	6.0	3.0	—	10	1.0	1000	—	0.5	15.0	—	50	
2N4338	18	FN22.2	50	6.0	2.0	0.3	1.0	0.1	500	—	0.2	0.6	2.5K	5	
2N4339	18	FN22.2	50	6.0	2.0	0.6	1.8	0.1	800	2400	0.5	1.5	1.7K	15	
2N4340	18	FN22.2	50	6.0	2.0	1.0	3.0	0.1	1300	3000	1.2	3.6	1.5K	30	
2N4341	18	FN22.2	50	6.0	2.0	2.0	6.0	0.1	2000	4000	3.0	9.0	8K	60	
2N5103	72	FN2.5	25	5.0	1.0	0.5	4.0	0.1	2000	8000	1.0	8.0	—	100	
2N5104	72	FN2.5	25	5.0	1.0	0.5	4.0	0.1	3500	7500	2.0	6.0	—	100	
2N5105	72	FN2.5	25	5.0	1.0	0.5	4.0	0.1	5000	10000	5.0	15.0	—	100	
2N5163	92	FN3.6	25	12.0	3.0	0.4	8.0	10	2000	9000	1.0	40.0	—	200	
2N5358	72	FN22.2	40	6.0	2.0	0.5	3.0	0.1	1000	3000	0.5	1.0	—	10	
2N5359	72	FN22.2	40	6.0	2.0	0.8	4.0	1.0	1200	3600	0.6	1.6	—	10	
2N5360	72	FN22.2	40	6.0	2.0	0.8	4.0	0.1	1400	4200	0.5	2.5	—	20	
2N5361	72	FN22.2	40	6.0	2.0	1.0	6.0	0.1	1500	4500	2.5	5.0	—	20	
2N5362	72	FN3.6	40	6.0	2.0	2.0	7.0	0.1	2000	5500	4.0	8.0	—	40	
2N5363	72	FN2.5	40	6.0	2.0	2.5	8.0	0.1	2500	6000	7.0	14.0	—	40	
2N5364	72	FN2.5	40	6.0	2.0	2.5	8.0	0.1	2700	6500	9.0	18.0	—	60	
2N5457	92	FN22.2	25	7.0	3.0	0.5	6.0	1.0	2000	5000	1.0	5.0	—	50	
2N5458	92	FN22.2	25	7.0	3.0	1.0	7.0	1.0	1500	5500	2.0	9.0	—	50	
2N5459	92	FN3.6	25	7.0	3.0	2.0	8.0	1.0	2000	6000	4.0	16.0	—	50	
2N5556	72	FN3.6	30	6.0	3.0	0.2	4.0	0.1	1500	6500	0.5	2.5	—	20	
2N5557	72	FN3.6	30	6.0	3.0	0.2	4.0	0.1	9500	6500	0.5	2.5	—	20	
2N5558	72	FN3.6	30	6.0	3.0	0.8	5.0	0.1	1500	6500	2.0	5.0	—	20	
2N5716	92	FN2.2	40	5.0	1.5	0.2	3.0	1.0	200	1000	0.05	0.25	—	25	
2N5717	92	FN2.2	40	5.0	1.5	0.5	5.0	1.0	400	1600	0.2	1.0	—	25	
2N5718	92	FN2.2	40	5.0	1.5	1.0	8.0	1.0	500	2000	0.8	4.0	—	25	
J308	92	FN71.1	25	5.0	2.5	1.0	6.5	1.0	8000	—	12.0	60.0	—	200	
J309	92	FN71.1	25	5.0	2.5	1.0	4.0	1.0	10000	—	12.0	30.0	—	150	
J310	92	FN71.1	25	5.0	2.5	2.0	6.5	1.0	8000	—	24.0	60.0	—	200	
KK3684	92	FN22.2	50	4.0	1.2	2.0	5.0	1.0	2000	3000	2.5	7.5	—	50	
KK3685	92	FN22.2	50	4.0	1.2	1.0	3.5	1.0	1500	2500	1.0	3.0	—	25	
KK3686	92	FN22.2	50	4.0	1.2	0.6	2.0	1.0	1000	2000	0.4	1.2	—	10	
KK3687	92	FN22.2	50	4.0	1.2	0.3	1.2	1.0	500	1500	0.1	0.5	—	5	
KK4220	92	FN2.5	30	6.0	2.0	0.5	4.0	1.0	1000	4000	0.5	3.0	—	10	
KK4221	92	FN22.2	30	6.0	2.0	1.0	6.0	1.0	2000	5000	2.0	6.0	—	20	

Most of these devices are available in an epoxy TO-92 package (KK prefix) with similar electrical characteristics. Specify KB prefix for leads formed to TO-18/TO-106 pin circle configuration.



SOLITRON DEVICES INC

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PRODUCT CATALOG

Devices, Inc.

LOW POWER FIELD EFFECT TRANSISTORS

GENERAL PURPOSE N-CHANNEL

Type Number	Case Style (TO—)	Geometry	•BVD _{go} or	C _{iss} Max (pF)	C _{rss} Max (pF)	V _{gs} (off)		I _{gss} Max (nA)	Y _{ls} (uMhos)		I _{dss} (mA)		R(on) Max (ohms)	Y _{os} Max (uMhos)
			BV _{gss} Min (V)			Min	Max		Min	Max	Min	Max		
KK4302	92	FN2.5	30	6.0	3.0	—	4.0	1.00	1000	—	0.5	5.0	—	50
KK4303	92	FN2.5	30	6.0	3.0	—	6.0	1.00	2000	—	4.0	10	—	50
KK4304	92	FN22.2	30	6.0	3.0	—	1.0	1.00	1000	—	0.5	15	—	50
U308	52	FN71.1	25	7.5	2.5	—	6.0	0.15	0000	20000	12	60	—	—
U309	52	FN71.1	25	7.5	2.5	—	4.0	0.15	10000	20000	12	30	—	—
U310	52	FN71.1	25	7.5	2.5	—	6.0	0.15	10000	18000	24	60	—	—
U311	72	FN71.1	25	7.5	2.5	—	6.0	0.15	10000	20000	20	60	—	—
U312	52	FN36.1	25	5.0	1.2	—	60.0	0.10	6000	10000	10	30	—	—
U320	5	FN9.1	25	30.0	15.0	—	10.0	3.00	75000	200000	100	500	—	—
U322	5	FN9.1	22	30.0	15.0	—	10.0	3.00	75000	200000	200	700	—	—
UC100	72	FN2.5	•30	5.0	3.0	—	5.0	0.10	2000	—	2.5	7.5	600	—
UC105	18	FN22.2	•30	5.0	2.0	—	5.0	0.10	2000	—	2.5	7.5	600	—
UC110	72	FN22.2	•30	5.0	2.0	—	3.0	0.10	15000	—	1.0	3.0	800	—
UC120	72	FN22.2	•30	5.0	2.0	—	1.7	0.10	1200	—	0.4	1.2	1300	—
UC130	72	FN22.2	30	5.0	2.0	—	1.2	0.10	500	—	0.1	0.50	2500	—
UC135	18	FN22.2	•30	5.0	2.0	—	1.2	0.10	500	—	0.1	0.5	2500	—
UC701	18	FN22.2	30	5.0	2.0	—	6.0	—	150	1500	150	0.1	—	—
UC703	72	FN3.6	40	6.0	3.0	—	6.0	0.50	500	5000	0.1	10	2000	—
UC704	72	FN2.5	40	8.0	2.0	—	8.0	0.50	1000	10000	0.2	24	1000	—
UC705	72	FN2.5	40	12.0	2.0	—	8.0	1.00	2000	20000	0.5	50	500	—
UC707	18	FN7.1	20	30.0	8.0	—	12.0	2.00	5000	50000	2.5	250	2000	—
UC714	72	FN2.5	30	8.0	4.0	—	8.0	1.00	2000	6500	2.0	20	—	—
UC714E	92	FN2.5	30	8.0	4.0	—	8.0	1.00	2000	65000	2.0	20	—	—
UC751	18	FN3.6	30	10.0	3.0	—	6.0	2.00	350	—	0.1	—	—	—
UC752	18	FN3.6	30	17.0	3.0	—	6.0	6.00	1000	—	0.3	—	—	—
UC753	18	FN7.1	30	25.0	8.0	—	6.0	10.00	2500	—	0.9	—	—	—
UC754	18	FN3.6	30	6.0	30.0	—	4.0	1.00	1000	—	0.5	—	—	50
UC755	18	FN3.6	30	6.0	3.0	—	6.0	1.00	2000	—	0.4	10	—	50
UC756	18	FN3.6	30	6.0	3.0	—	10.0	1.00	1000	—	0.5	15	—	50
UC757	106	FN2.5	30	7.0	3.0	—	6.0	1.00	1000	5000	1.0	5.0	—	—
UC758	106	FN2.5	25	7.0	3.0	—	7.0	1.00	1500	5500	2.0	9.0	—	50
UC759	106	FN2.5	25	7.0	3.0	—	8.0	1.00	2000	6000	4.0	16	—	50

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Specify KB prefix for leads formed to TO-18/TO-106 pin circle configuration.

PRODUCT CATALOG



Devices, Inc

LOW POWER FIELD EFFECT TRANSISTORS

SWITCHING, N-CHANNEL FETS

Type Number	Case Style (TO—)	Geometry	•BVDgo or	Ciss Max (pF)	Crss Max (pF)	Vgs (off)		Idss		Igss or	R(on) Max (ohms)	T(on) Max (nS)	T(off) Max (nS)
			BVgss Min (V)			Min	Max	Min	Max	•Idgo Max (nA)			
2N3824	72	FN3.6	50	6.0	3.0	—	8.0	—	—	0.10	250	—	—
2N3966	72	FN2.5	30	6.0	1.5	4.0	6.0	2.0	—	1.00	220	—	—
2N3970	18	FN7.1	40	25.0	6.0	4.0	10.0	50.0	150	•.25	30	20.0	30
2N3971	18	FN7.1	40	25.0	6.0	2.0	5.0	25.0	75	•.25	60	30.0	60
2N3972	18	FN7.1	40	25.0	6.0	0.5	3.0	5.0	30	•.25	100	80.0	100
2N4091	18	FN7.1	40	16.0	5.0	5.0	10.0	30.0	—	• 0.20	30	25.0	40
2N4092	18	FN7.1	40	16.0	5.0	2.0	7.0	15.0	—	• 0.20	50	35.0	60
2N4093	18	FN7.1	40	16.0	5.0	1.0	5.0	8.0	—	• 0.20	80	60.0	80
2N4391	18	FN7.1	40	14.0	3.5	4.0	10.0	50.0	150	0.10	30.0	20.0	35
2N4392	18	FN7.1	40	14.0	3.5	2.0	5.0	25.0	75	0.10	60	20.0	55
2N4393	18	FN7.1	40	14.0	3.5	0.5	3.0	5.0	30	0.10	100	20.0	80
2N4856•	18	FN7.1	40	18.0	8.0	4.0	10.0	50.0	175	0.25	25	9.0	25
2N4856A	18	FN7.1	40	10.0	4.0	4.0	10.0	50.0	175	0.25	20	8.0	20
2N4857•	18	FN7.1	40	18.0	8.0	2.0	6.0	20.0	100	0.25	40	10.0	50
2N4857A	18	FN7.1	40	10.0	3.5	2.0	6.0	20.0	100	0.25	40	10.0	40
2N4858•	18	FN7.1	40	18.0	8.0	0.8	4.0	8.0	80	0.25	60	20.0	100
2N4858A	18	FN7.1	40	10.0	3.5	0.8	4.0	8.0	80	0.25	60	16.0	80
2N4859•	18	FN7.1	30	18.0	8.0	4.0	10.0	50.0	175	0.25	25	9.0	25
2N4859A	18	FN7.1	30	10.0	4.0	4.0	10.0	50.0	175	0.25	25	8.0	20
2N4860•	18	FN7.1	30	18.0	8.0	2.0	6.0	20.0	100	0.25	40	10.0	50
2N4860A	18	FN7.1	30	10.0	3.5	2.0	6.0	20.0	100	0.25	40	10.0	40
2N4861•	18	FN7.1	30	18.0	8.0	0.8	4.0	8.0	80	0.25	60	20.0	100
2N4861A	18	FN7.1	30	10.0	3.5	0.8	4.0	8.0	80	0.25	60	16.0	80
2N4977	18	FN9.1	30	35.0	8.0	4.0	10.0	50.0	—	0.50	15	—	20
2N4978	18	FN7.1	30	35.0	8.0	2.0	8.0	15.0	—	0.50	20	—	40
2N4979	18	FN7.1	30	35.0	8.0	0.5	5.0	7.5	—	0.50	40	—	60
2N5555	92	FN2.5	25	5.0	1.2	—	10.0	15.0	—	1.00	150	10.0	25
2N5638	92	FN7.1	30	10.0	4.0	—	12.0	50.0	—	1.00	30	—	25
2N5639	92	FN7.1	30	10.0	4.0	—	8.0	25.0	—	1.00	60	—	—
2N5640	92	FN7.1	30	10.0	4.0	—	6.0	5.0	—	1.00	100	—	—
2N5653	92	FN7.1	30	10.0	3.5	—	12.0	40.0	—	1.00	50	9.0	15
2N5654	92	FN7.1	25	10.0	3.5	—	8.0	15.0	—	1.00	100	14.0	30
J109	92	FN9.1	25	85.0	15.0	2.0	6.0	40.0	—	3.00	12	—	—
KK3970	92	FN7.1	40	25.0	6.0	4.0	10.0	5.00	150	•25.0	30	20.0	40
KK3971	92	FN7.1	40	25.0	6.0	2.0	5.0	25.0	75	•25.0	60	30.0	60
KK3972	92	FN7.1	40	25.0	6.0	0.5	3.0	5.0	30	•25.0	100	80.0	100
KK4091	92	FN7.1	40	16.0	5.0	5.0	10.0	30.0	—	•1.00	30	25.0	40
KK4092	92	FN7.1	40	16.0	5.0	2.0	7.0	15.0	—	1.00	50	35.0	60
KK4093	92	FN7.1	40	16.0	5.0	1.0	5.0	8.0	—	•1.00	80	60.0	80
KK4391	92	FN7.1	40	14.0	3.5	4.0	10.0	50.0	150	1.00	30	20.0	35
KK4392	92	FN7.1	40	14.0	3.5	2.0	5.0	25.0	75	1.00	60	40.0	80
KK4393	92	FN7.1	40	14.0	3.5	0.5	3.0	5.0	30	1.00	100	55.0	130

• These devices are qualified for JAN, JTX, and JTXV.

Most of these devices are available in an epoxy TO-92 package (KK prefix) with similar electrical characteristics. Specify KB prefix for leads formed to TO-18/TO-106 pin circle configuration.



SOLITRON DEVICES INC

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Devices, Inc.

PRODUCT CATALOG

LOW POWER FIELD EFFECT TRANSISTORS

SWITCHING, N-CHANNEL FETS

Type Number	Case Style (TO—)	Geometry	•BVDgo or BVgss		Ciss Max (pF)	Crss Max (pF)	Vgs (off)		Idss		I _{gss} or •Idgo		R(on) Max (ohms)	T(on) Max (nS)	T(off) Max (nS)
			Min (V)	Max (V)			Min (V)	Max (V)	Min (mA)	Max (mA)	Max (nA)				
KK4857	92	FN7.1	40	18.0	8.0	2.0	6.0	20.00	100.00	1.0	40	10.0	50		
KK4858	92	FN7.1	40	18.0	8.0	0.8	4.0	8.00	80.00	1.0	60	20.0	100		
KK4859	92	FN7.1	30	18.0	8.0	4.0	10.0	50.00	175.00	1.0	25	9.0	25		
KK4860	92	FN7.1	30	18.0	8.0	2.0	6.0	20.00	100.00	1.0	40	10.0	50		
KK4861	92	FN7.1	30	18.0	8.0	0.8	4.0	8.00	80.00	1.0	60	20.0	100		
U200	92	FN2.5	30	30.0	8.0	0.5	3.0	3.00	25.00	10.0	150	—	—		
U201	92	FN7.1	30	30.0	8.0	1.0	5.0	15.00	75.00	1.0	75	—	—		
U202	92	FN7.1	30	30.0	8.0	3.0	10.0	30.00	150.00	1.0	50	—	—		
U1897E	92	FN7.1	40	16.0	5.0	5.0	10.0	30.00	—	• 0.2	30	25.0	40		
U1898E	92	FN7.1	40	16.0	5.0	2.0	7.0	15.00	—	• 0.2	50	35.0	60		
U1899E	92	FN7.1	40	16.0	5.0	1.0	5.0	8.00	—	• 0.2	80	60.0	80		
UC100	72	FN3.6	•30	5.0	3.0	1.0	5.0	2.50	7.50	0.1	600	—	—		
UC105	18	FN3.6	•30	5.0	3.0	1.0	5.0	2.50	7.50	0.1	600	—	—		
UC110	72	FN3.6	•30	5.0	3.0	0.5	3.0	1.00	3.00	0.1	800	—	—		
UC120	72	FN5.5	•30	5.0	3.0	0.2	1.7	0.40	1.20	0.1	1300	—	—		
UC130	72	FN3.6	30	5.0	3.0	0.3	1.2	0.10	0.50	0.1	2500	—	—		
UC135	18	FN3.6	•30	5.0	3.0	0.3	1.2	0.10	0.50	0.1	2500	—	—		
UC155	72	FN2.5	30	4.0	1.0	1.0	10.0	10.00	—	0.1	125	—	—		
UC201	72	FN5.5	50	7.0	4.0	1.0	8.0	15.00	—	0.1	125	—	—		
UC250	18	FN7.1	30	25.0	7.0	5.0	10.0	50.00	150.00	1.0	30	—	—		
UC251	18	FN7.1	30	25.0	7.0	1.0	6.0	7.50	75.0	1.0	75	—	—		
UC714E	92	FN2.5	30	8.0	4.0	1.0	8.0	2.00	20.0	1.0	500	—	—		

Most of these devices are available in an epoxy TO-92 package (KK prefix) with similar electrical characteristics. Specify KB prefix for leads formed to TO-18/TO-106 pin circle configuration.

SWITCHING, N-CHANNEL FETS

Type Number	Case Style (TO—)	Geometry	•BVDgo or BVgss		Ciss Max (pF)	Crss Max (pF)	Vgs (off)		Idss		I _{gss} or •Idgo		R(on) Max (ohms)	T _d nS (Max)	T _r nS (Max)	T _s nS (Max)	T _f nS (Max)
			Min (V)	Max (V)			Min (V)	Max (V)	Min (mA)	Max (mA)	Max (nA)						
2N4445	46	FN9.1/9	25	35	20	2.0	10.0	150	—	3.0	5.0	15.0	20.0	20.0	15		
2N4446	46	FN9.1/9	25	35	20	2.0	10.0	100	—	3.0	10.0	15.0	20.0	20.0	15		
2N4447	46	FN9.1/9	25	35	20	2.0	10.0	150	—	3.0	6.0	15.0	20.0	20.0	15		
2N4448	46	FN9.1/9	25	35	20	2.0	10.0	100	—	3.0	12.0	15.0	20.0	20.0	15		
2N5432	52	FN9.1/9	25	30	15	4.0	10.0	150	—	0.2	5.0	4.0	1.0	7.0	30		
2N5433	52	FN9.1/9	25	30	15	3.0	9.0	100	—	0.2	7.0	4.0	1.0	7.0	30		
2N5434	52	FN9.1/9	25	30	15	1.0	4.0	30	—	0.2	10.0	4.0	1.0	7.0	30		
													T(on)	T _r	T(off)	T _f	
SDF1001	52	FN9	30	25	15	4.0	10.0	100	—	0.2	7.0	4.0	1.0	6.0	30		
SDF1002	52	FN9	30	25	15	2.0	6.0	50	—	0.2	10.0	4.0	1.0	6.0	30		
SDF1003	52	FN9	30	25	15	1.0	4.0	30	—	0.2	15.0	5.0	2.0	8.0	30		
SDF1004	52	FN9	20	30	20	4.0	10.0	100	—	1.0	7.0	4.0	1.0	6.0	30		
SDF1005	52	FN9	20	30	20	2.0	7.0	50	—	1.0	10.0	4.0	1.0	6.0	30		
SDF1006	52	FN9	20	30	20	1.0	5.0	30	—	1.0	15.0	5.0	2.0	8.0	30		

PRODUCT CATALOG



Devices, Inc

LOW POWER FIELD EFFECT TRANSISTORS

LOW NOISE AMPLIFIER, N-CHANNEL FETS

Type Number	Case Style (TC—)	Geometry	BV _{gss}		C _{iss}		C _{rss}		V _{gs} (off)		I _{gss} Max (nA)	Y _{fs}		I _{dss}		Y _{os} Max (uMhos)
			Min (V)	Max (V)	Max (pF)	Max (pF)	Min (V)	Max (V)	Min (uMhos)	Max (uMhos)		Min (mA)	Max (mA)			
2N3684	72	FN22.2	50	4.0	1.2	2.0	5.0	0.10	2000	3000	2.5	7.5	50.0			
2N3684A	72	FN22.2	50	4.0	1.2	2.0	5.0	0.10	2000	3000	2.5	7.5	5.0			
2N3685	72	FN22.2	50	4.0	1.2	1.0	3.5	0.10	1500	2500	1.0	3.0	25.0			
2N3685A	72	FN22.2	50	4.0	1.2	1.0	3.5	0.10	1500	2500	1.0	3.0	2.5			
2N3686	72	FN22.2	50	4.0	1.2	0.6	2.0	0.10	1000	2000	0.4	1.2	10.0			
2N3686A	72	FN22.2	50	4.0	1.2	0.6	2.0	0.10	1000	2000	0.4	1.2	1.0			
2N3687	72	FN22.2	50	4.0	1.2	0.3	1.2	0.10	500	1500	0.1	0.5	5.0			
2N3687A	72	FN22.2	50	4.0	1.2	0.3	1.2	0.10	500	1500	0.1	0.5	0.1			
2N4867	72	FN39.8	40	25.0	5.0	0.7	2.0	0.25	700	2000	0.4	1.2	1.5			
2N4867A	72	FN39.8	40	25.0	5.0	0.7	2.0	0.25	700	2000	0.4	1.2	1.5			
2N4868	72	FN39.8	40	25.0	5.0	1.0	3.0	0.25	1000	3000	1.0	3.0	4.0			
2N4868A	72	FN39.8	40	25.0	5.0	1.0	3.0	0.25	1000	3000	1.0	3.0	4.0			
2N4869	72	FN39.8	40	25.0	5.0	1.8	5.0	0.25	1300	4000	2.5	7.5	10.0			
2N4869A	72	FN39.8	40	25.0	5.0	1.8	5.0	0.25	1300	4000	2.5	7.5	10.0			
2N5105	72	FN2.5	25	5.0	1.0	4.0	0.10	5000	10000	5.0	15.0	100.0				
2N5556	72	FN22.2	30	6.0	3.0	0.2	4.0	0.10	1500	6500	0.5	2.5	20.0			
2N5557	72	FN22.2	30	6.0	3.0	0.8	5.0	0.10	1500	6500	2.0	5.0	20.0			
2N5558	72	FN22.2	30	6.0	3.0	1.5	6.0	0.10	1500	6500	4.0	10.0	20.0			
2N5592	72	FN88.8	50	20.0	5.0	1.0	5.0	0.25	2000	7000	1.0	10.0	10.0			
2N5593	72	FN88.8	50	20.0	5.0	1.0	5.0	0.25	2000	7000	1.0	10.0	10.0			
2N5594	72	FN88.8	50	20.0	5.0	1.0	5.0	0.25	2000	7000	1.0	10.0	10.0			
UC200	72	FN5.5	50	7.0	—	—	6.0	0.10	6000	—	10	30.0	10.0			
UC210	72	FN5.5	50	7.0	—	—	4.0	0.10	4500	—	4.0	12.0	—			
UC220	72	FN5.5	50	7.0	—	—	2.5	0.10	3000	—	1.0	5.0	—			
UC241	72	FN88.8	50	2.0	5.0	—	5.0	0.25	2000	—	1.0	10.0	—			



Devices, Inc.

PRODUCT CATALOG

LOW POWER FIELD EFFECT TRANSISTORS RF AMPLIFIERS, N-CHANNEL FETS

Type Number	Case Style (TO—)	Geometry	BVD _{go} or BV _{gss}		C _{iss} Max (pF)	C _{rss} Max (pF)	V _{gs} (off)		I _{gss} Max (nA)	Y _{is} Min (uMhos)	@ Freq (MHz)	I _{dss}		Pwr Gain @ Freq (dB)		NF Max (dB)	@ Freq (mHz)
			Min (V)	Max (V)			Min (mA)	Max (mA)				Min (dB)	Max (dB)				
2N3819	72	FN2.5	25	8.0	4.0	—	8.0	2.00	1600.0	100	2.0	20.0	—	—	4.0	400	
2N3821*	72	FN3.6	50	6.0	3.0	—	4.0	0.10	1500.0	100	0.5	2.5	—	—	—	—	
2N3822*	72	FN3.6	50	6.0	3.0	—	6.0	0.10	3000.0	100	2.0	10.0	—	—	—	—	
2N3823*	72	FN2.5	30	6.0	2.0	—	8.0	0.50	3200.0	200	4.0	20.0	—	—	2.5	100	
2N4223	72	FN2.5	30	6.0	2.0	—	8.0	0.25	2700.0	200	3.0	18.0	10.0	200	5.0	200	
2N4224	72	FN2.5	30	6.0	2.0	0.1	8.0	0.50	1700.0	200	2.0	20.0	—	—	—	—	
2N4416	72	FN2.5	30	4.0	0.8	—	6.0	0.10	4000.0	400	5.0	15.0	10.0	400	4.0	400	
2N4416A	72	FN2.5	30	4.0	0.8	2.5	6.0	0.10	4000.0	400	5.0	15.0	10.0	400	4.0	400	
2N5078	72	FN2.5	30	6.0	2.0	0.5	8.0	0.25	4000.0	200	4.0	25.0	—	—	3.0	200	
2N5103	72	FN2.5	25	5.0	1.0	0.5	4.0	0.10	2000.0	0.001	1.0	8.0	—	—	—	—	
2N5104	72	FN2.5	25	5.0	1.0	0.5	4.0	0.10	3500.0	0.001	2.0	6.0	—	—	—	—	
2N5105	72	FN2.5	25	5.0	1.0	—	4.0	0.10	5000.0	0.001	5.0	15.0	—	—	—	—	
2N5245	92	FN2.5	30	4.5	1.0	1.0	6.0	1.00	4000.0	400	5.0	15.0	—	—	4.0	400	
KK5246	92	FN2.5	30	4.5	1.0	0.5	4.0	1.00	2500.0	400	1.5	7.0	—	—	—	—	
KK5247	92	FN2.5	30	4.5	1.0	1.5	8.0	1.00	4000.0	400	8.0	24.0	—	—	—	—	
KK5248	92	FN2.5	30	6.0	2.0	1.0	8.0	5.00	3.0	200	4.0	20.0	—	—	—	—	
2N5397	72	FN36.1	25	5.0	1.2	1.0	6.0	0.10	5.5	450	10.0	30.0	15.0	450	3.5	450	
2N5398	72	FN36.1	25	5.5	1.3	1.0	6.0	0.10	5.0	450	5.0	40.0	—	—	3.2	450	
2N5484	18	FN2.5	25	5.0	1.0	0.3	3.0	0.10	2.5	100	1.0	5.0	16.0	100	3.0	100	
2N5485	18	FN2.5	25	5.0	1.0	1.0	4.0	1.00	3.0	400	4.0	10.0	10.0	400	4.0	400	
2N5486	92	FN2.5	25	5.0	1.0	2.0	6.0	1.00	3.5	400	8.0	20.0	10.0	400	4.0	400	
2N5668	92	FN2.5	25	7.0	3.0	2.0	4.0	2.00	1.0	100	1.0	5.0	16.0	100	2.5	100	
2N5669	92	FN2.5	25	7.0	3.0	1.0	6.0	2.00	1.6	100	4.0	8.0	16.0	100	2.5	100	
2N5670	92	FN2.5	25	7.0	3.0	2.0	8.0	2.00	2.5	100	8.0	20.0	16.0	100	2.5	100	
J300	92	FN71.1	25	5.5	1.7	0.0	6.0	0.50	4500.0	0.001	6.0	30.0	—	—	—	—	
J308	92	FN71.1	25	5.0	2.5	1.0	6.5	1.00	8000.0	0.001	12.0	60.0	14.0	100	2.0	100	
J309	92	FN71.1	25	5.5	2.5	1.0	4.0	0.50	—	0.001	12.0	30.0	14.0	100	2.0	100	
J310	92	FN71.1	25	7.5	2.5	2.0	6.5	1.00	8.0	0.001	24.0	60.0	14.0	100	2.0	100	
KK3819	92	FN2.5	25	8.0	4.0	—	8.0	15.00	1600.0	100	2.0	20.0	—	—	2.0	100	
KK3823	92	FN2.5	20	6.0	2.0	—	8.0	0.50	3200.0	200	4.0	20.0	—	—	2.5	100	
KK4223	92	FN2.5	30	6.0	2.0	0.1	8.0	0.25	2.7	200	3.0	18.0	10.0	200	5.0	200	
KK4224	92	FN2.5	30	6.0	2.0	0.1	8.0	0.25	1700.0	200	2.0	20.0	10.0	200	—	—	
KK4416	92	FN2.5	30	4.0	0.8	1.0	6.0	0.10	4000.0	400	5.0	15.0	10.0	400	4.0	400	
KK5103	92	FN2.5	25	5.0	1.0	0.5	4.0	0.10	2000.0	0.001	—	1.0	8.0	100	—	—	
KK5104	92	FN2.5	25	5.0	1.0	0.5	4.0	0.10	3500.0	0.001	2.0	6.0	—	—	—	—	
KK5105	92	FN2.5	25	5.0	1.0	—	4.0	0.10	5000.0	0.001	5.0	15.0	—	—	—	—	
U308	52	FN71.1	25	5.0	2.5	1.0	6.0	0.15	8000.0	0.001	12.0	60.0	10.0	—	2.0	450	
U309	52	FN71.1	25	5.0	2.5	1.0	4.0	0.15	10000.0	0.001	12.0	30.0	10.0	—	2.0	450	
U310	52	FN71.1	25	5.0	2.5	25.0	6.0	0.15	8000.0	0.001	24.0	60.0	10.0	—	2.0	450	
U312	52	FN36.1	25	3.8	1.2	1.0	6.0	0.10	6000.0	0.001	10.0	30.0	10.0	—	2.0	450	
U1994E	92	FN2.5	30	4.0	0.8	—	6.0	0.10	4000.0	400	5.0	15.0	10.0	400	4.0	400	
UC588	92	FN2.5	30	4.0	1.2	1.0	6.0	1.00	4500.0	0.001	5.0	15.0	—	—	—	—	
UC734	72	FN2.5	30	4.0	0.8	1.0	8.0	5.00	3000.0	200	4.0	20.0	—	—	—	—	
UC734E	92	FN2.5	30	4.5	1.0	1.0	8.0	5.00	3000.0	200	4.0	20.0	—	—	—	—	

* These devices are qualified for JAN, JTX, and JTXV.

Most of these devices are available in an epoxy TO-92 package (KK prefix) with similar electrical characteristics. Specify KB prefix for leads formed to TO-18/TO-106 pin circle configuration.

PRODUCT CATALOG

LOW POWER FIELD EFFECT TRANSISTORS

ULTRA LOW LEAKAGE N-CHANNEL FETS

Type Number	Case Style (TO—)	Geometry	BV _{gss}		C _{iss} Max (pF)	C _{rss} Max (pF)	V _{gs} (off)		I _{gss} Max (pA)	Y _{fs}		I _{dss}	
			Min (V)	Max			Min (V)	Max		Min (uMhos)	Max	Min (mA)	Max
2N4117	72	FN2.2	40	3.0	1.5	0.6	1.8	10.0	20	210	30	90	
2N4117A	72	FN2.2	40	3.0	1.5	0.6	1.8	1.0	70	210	30	90	
2N4118	72	FN2.2	40	3.0	1.5	2.0	3.0	10.0	80	250	80	240	
2N4118A	72	FN2.2	40	3.0	1.5	1.0	3.0	1.0	80	250	80	240	
2N4119	72	FN2.2	40	3.0	1.5	2.0	6.0	10.0	100	330	200	600	
2N4119A	72	FN2.2	40	3.0	1.5	2.0	6.0	1.0	100	330	200	600	



SOLITRON DEVICES INC

Devices, Inc.

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PRODUCT CATALOG

LOW POWER FIELD EFFECT TRANSISTORS

DUAL N-CHANNEL FETS

Type Number	Case Style (TO—)	Geometry	BV _{gss} Min (V)	C _{iss} Max (pF)	V _{gss} (off)		I _{dss}		Y _{fs}		Y _{fs} ¹ / Y _{fs} ² Match (%)	I _{dss} ¹ / I _{dss} ² Match (%)	V _{gs} ¹ / V _{gs} ² (mV)	ΔV _{gs} (uV/°C)	Y _{os} Max (uMhos)	I _{gss} Max (nA)
					Min (V)	Max (V)	Min (mA)	Max (mA)	Min (UMhos)	Max (UMhos)						
2N3921	71	FN3.6	50	18.0	0.2	3.0	1.0	10.0	1500	7500	5.0	—	5.0	10.0	35	0.250
2N3922	71	FN3.6	50	18.0	0.2	3.0	1.0	10.0	1500	7500	5.0	—	5.0	25.0	35	0.250
2N3954	71	FN22.2	50	4.0	1.0	4.5	0.5	5.0	1000	3000	3.0	5.0	5.0	10.0	35	0.100
2N3954A	71	FN22.2	50	4.0	1.0	4.5	0.5	5.0	1000	3000	3.0	5.0	5.0	5.0	35	0.100
2N3955	71	FN22.2	50	4.0	1.0	4.5	0.5	5.0	1000	3000	5.0	5.0	10.0	25.0	35	0.100
2N3955A	71	FN22.2	50	4.0	1.0	4.5	0.5	5.0	1000	3000	3.0	5.0	10.0	15.0	35	0.100
2N3956	71	FN22.2	50	4.0	1.0	4.5	0.5	5.0	1000	3000	3.0	5.0	18.0	50.0	35	0.100
2N3957	71	FN22.2	50	4.0	1.0	4.5	0.5	5.0	1000	3000	10.0	10.0	20.0	75.0	35	0.100
2N3958	71	FN22.2	50	4.0	1.0	4.5	0.5	5.0	1000	3000	15.0	15.0	25.0	100.0	35	0.100
2N4082		FN22.2			See 2N 3954-a as an improved replacement.											
2N4083		FN39.8			See 2N 3954-6 as an improved replacement.											
2N4084	71	FN3.6	50	18.0	—	2.7	1.0	10.0	1500	—	5.0	—	15.0	10.0	35	0.250
2N4085	71	FN3.6	50	18.0	1.0	2.0	—	—	1500	—	5.0	—	25.0	25.0	35	0.250
2N5045	71	FN22.2	50	8.0	0.5	4.5	0.5	8.0	1500	6000	5.0	5.0	5.0	67.0	25	0.250
2N5046	71	FN22.2	50	8.0	0.5	4.5	0.5	8.0	1500	6000	10.0	10.0	10.0	133.0	25	0.250
2N5047	71	FN22.2	50	8.0	0.5	4.5	0.5	8.0	1500	6000	20.0	20.0	15.0	200.0	25	0.025
2N5196	71	FN22.2	50	6.0	0.7	4.0	0.7	7.0	1000	4000	3.0	5.0	5.0	5.0	50	0.025
2N5197	71	FN22.2	50	6.0	0.7	4.0	0.7	7.0	1000	4000	3.0	5.0	5.0	10.0	50	0.025
2N5198	71	FN22.2	50	6.0	0.7	4.0	0.7	7.0	1000	4000	5.0	5.0	10.0	20.0	50	0.025
2N5199	71	FN22.2	50	6.0	0.7	4.0	0.7	7.0	1000	4000	5.0	5.0	15.0	40.0	50	0.025
2N5452	71	FN22.2	50	4.0	1.0	4.5	0.5	5.0	1000	3000	5.0	5.0	5.0	5.0	1	0.100
2N5453	71	FN22.2	50	4.0	1.0	4.5	0.5	5.0	1000	3000	3.0	5.0	10.0	10.0	1	0.100
2N5454	71	FN22.2	50	4.0	1.0	4.5	0.5	5.0	1000	3000	5.0	5.0	15.0	25.0	1	0.100
2N5515	71	FN39.8	40	25.0	0.8	4.0	0.5	7.5	1000	4000	3.0	5.0	5.0	5.0	1	0.250
2N5516	71	FN39.8	40	25.0	0.8	4.0	0.5	7.5	1000	4000	3.0	5.0	5.0	10.0	1	0.250
2N5517	71	FN39.8	40	25.0	0.8	4.0	0.5	7.5	1000	4000	5.0	5.0	10.0	20.0	1	0.250
2N5518	71	FN39.8	40	25.0	0.8	4.0	0.5	7.5	1000	4000	5.0	5.0	15.0	40.0	1	0.250
2N5519	71	FN39.8	40	25.0	0.8	4.0	0.5	7.5	1000	4000	10.0	10.0	15.0	80.0	1	0.250
2N5520	71	FN39.8	40	25.0	0.8	4.0	0.5	7.5	1000	4000	3.0	5.0	5.0	5.0	1	0.250
2N5521	71	FN39.8	40	25.0	0.8	4.0	0.5	7.5	1000	4000	3.0	5.0	5.0	10.0	1	0.250
2N5522	71	FN39.8	40	25.0	0.8	4.0	0.5	7.5	1000	4000	5.0	5.0	10.0	20.0	1	0.250
2N5523	71	FN39.8	40	25.0	0.8	4.0	0.5	7.5	1000	4000	5.0	5.0	15.0	40.0	1	0.250
2N5524	71	FN39.8	40	25.0	0.8	4.0	0.5	7.5	1000	4000	10.0	10	15.0	80.0	1	0.250
2N5545•	71	FN3.6	50	6.0	0.5	4.5	0.5	8.0	1500	6000	3.0	5.0	5.0	10.0	25	0.100
2N5546•	71	FN3.6	50	6.0	0.5	4.5	0.5	8.0	1500	6000	5.0	10.0	10.0	20.0	25	0.100
2N5547•	71	FN3.6	50	6.0	0.5	4.5	0.5	8.0	1500	6000	10.0	10.0	15.0	40.0	25	0.100
2N5661	71	FN5.5	50	15.0	0.8	3.0	1.0	10.0	2000	3000	3.0	5.0	5.0	5.0	25	100
2N5662	71	FN5.5	50	15.0	0.8	3.0	1.0	10.0	2000	3000	3.0	5.0	10.0	10.0	25	100
2N5663	71	FN5.5	50	15.0	0.8	3.0	1.0	10.0	2000	3000	5.0	5.0	15.0	25.0	25	100
2N5664	71	FN7.1	40	12.0	0.5	3.0	5.0	30.0	7500	15000	5.0	5.0	5.0	10.0	45	0.100
2N5665	71	FN7.1	40	12.0	0.5	3.0	5.0	30.0	7500	15000	10.0	5.0	10.0	25.0	45	0.100
2N5666	71	FN7.1	40	12.0	0.5	3.0	5.0	30.0	7500	15000	10.0	5.0	20.0	50.0	45	0.100

• These devices are qualified for JAN, JTX, and JTXV.

PRODUCT CATALOG

LOW POWER FIELD EFFECT TRANSISTORS

DUAL N-CHANNEL FETS

Type Number	Case Style (TO—)	Geometry	BV _{gss} Min (V)	C _{iss} Max (pF)	V _{gss} (off) (V)		I _{dss} (mA)		Y _{fs} (UMhos)		Y _{fs} ¹ /Y _{fs} ² Match (%)	I _{dss} ¹ /I _{dss} ² Match (%)	V _{gs} ¹ (mV)	ΔV _{gs} (uV/°C)	Y _{os} Max (uMhos)	I _{gss} Max (nA)
					Min	Max	Min	Max	Min	Max						
2N5902	78	FN2.2/DMN2.4	40	3.0	0.6	4.5	0.03	0.5	70.0	250.0	3.0	5.0	5.0	5.0	1	0.005
2N5903	78	FN2.2/DMN2.4	40	3.0	0.6	4.5	0.03	0.5	70.0	250.0	3.0	5.0	5.0	10.0	1	0.005
2N5904	78	FN2.2/DMN2.4	40	3.0	0.6	4.5	0.03	0.5	70.0	250.0	5.0	5.0	10.0	20.0	1	0.005
2N5905	78	FN2.2/DMN2.4	40	3.0	0.6	4.5	0.03	0.5	70.0	250.0	5.0	5.0	15.0	40.0	1	0.005
2N5906	78	FN2.2/DMN2.4	40	3.0	0.6	4.5	0.03	0.5	70.0	250.0	3.0	5.0	5.0	5.0	1	0.002
2N5907	78	FN2.2/DMN2.4	40	3.0	0.6	4.5	0.03	0.5	70.0	250.0	3.0	5.0	5.0	10.0	1	0.002
2N5908	78	FN2.2/DMN2.4	40	3.0	0.6	4.5	0.03	0.5	70.0	250.0	5.0	5.0	—	—	5	0.002
2N5909	78	FN2.2/DMN2.4	40	3.0	0.6	4.5	0.03	0.5	70.0	250.0	5.0	5.0	—	—	5	0.002
2N5911	78	DMN36.1A	25	5.0	1.0	5.0	7.00	40.0	5000	10000	5.0	5.0	15.0	40.0	—	0.001
2N5912	78	DMN36.1A	25	5.0	1.0	5.0	7.00	40.0	5000	10000	5.0	5.0	15.0	40.0	—	0.001
2N6483	71	FN22.2	50	20.0	0.7	4.0	0.50	7.5	1000	4000	3.0	5.0	5.0	5.0	10	0.002
2N6484	71	FN22.2	50	20.0	0.7	4.0	0.50	7.5	1000	4000	3.0	5.0	10.0	10.0	10	0.002
2N6485	71	FN22.2	50	20.0	0.7	4.0	0.50	7.5	1000	4000	3.0	5.0	15.0	25.0	10	0.002
U231	—	FN22.2	—	—	See 2N 3954 as an improved replacement.											
U232	—	FN22.2	—	—	See 2N 3954 as an improved replacement.											
U233	—	FN22.2	—	—	See 2N 3954 as an improved replacement.											
U234	—	FN22.2	—	—	See 2N 3954 as an improved replacement.											
U235	71	FN36.6	50	6.0	1.0	4.5	0.50	5.0	1000.0	—	—	—	100.0	35.0	35	0.100
U257	78	DMN36.1A	25	5.0	1.0	5.00	5.0	40.0	5000.0	—	—	—	—	150.0	150	0.100
UC2130	71	FN22.2	50	4.0	—	5.0	0.50	4.5	1000.0	—	5.0	5.0	15.0	10.0	40	0.100
UC2132	71	FN22.2	50	4.0	—	5.0	0.50	4.5	1000.0	—	5.0	5.0	20.0	20.0	40	0.100
UC2134	71	FN22.2	50	4.0	—	5.0	0.50	4.5	1000.0	—	10.0	10.0	30.0	50.0	40	0.100
UC2136	71	FN22.2	50	4.0	—	5.0	0.50	4.5	1000.0	—	10.0	10.0	50.0	100.0	40	0.100
UC2138	71	FN22.2	50	4.0	—	5.0	0.50	4.5	1000.0	—	20.0	20.0	100.0	200.0	40	0.100
UC2139	71	FN22.2	30	5.0	—	6.0	0.20	6.0	750.0	—	—	—	—	—	4	0.200
UC2147	71	FN22.2	30	6.0	—	5.0	0.50	—	1000.0	—	—	—	—	—	50	0.200
UC2149	71	FN22.2	30	6.0	—	6.0	0.50	15.0	1000.0	—	—	—	—	—	40	0.200

LOW NOISE MATCHED DUAL N-CHANNEL

Type Number	Case Style (TO—)	Geometry	BV _{gss} Min (V)	C _{iss} Max (pF)	C _{rss} Max (pF)	V _{gss} (off) (V)		I _{dss} (mA)		Y _{fs} Max (uMhos)	Y _{fs} ¹ /Y _{fs} ² Match (%)	I _{dss} ¹ /I _{dss} ² V _{gs} ¹ (mV)	V _{gs} (uV/°C)	I _{dss} ² Match (%)	I _{gss} Max (pA)	Y _{os} Max (uMhos)	CMRR Min (dB)
						Min	Max	Min	Max								
SDF500	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	3	5	1.0	100	3	100
SDF501	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	5	5	1.0	100	3	100
SDF502	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	10	10	1.0	100	3	100
SDF503	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	15	20	1.0	100	3	100
SDF504	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	20	30	1.0	100	3	90
SDF505	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	3	5	1.0	100	3	100
SDF506	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	5	5	1.0	100	3	100
SDF507	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	10	10	1.0	100	3	100
SDF508	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	15	20	1.0	100	3	100
SDF509	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	20	30	1.0	100	3	90
SDF510	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	3	5	1.0	100	3	100
SDF511	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	5	5	1.0	100	3	100
SDF512	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	10	10	1.0	100	3	100
SDF513	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	15	20	1.0	100	3	100
SDF514	71	FN39.8	50	8.0	1.8	1.0	4.5	0.5	5.0	3000	1.0	20	30	1.0	100	3	90

D-12



GENERAL PURPOSE P-CHANNEL FETS

Type Number	Case Style (TO—)	Geometry	•BVDgo or	Ciss Max (pF)	Vgs (off)		Iqss Max (mA)	Idss		Yfs (uMhos)		Yos Max (uMhos)	R(on) Max (ohms)
			BVgss Min (V)		Min (V)	Max (nA)		Min	Max	Min	Max		
2N2386	5	FP5.3	•20	50.0	—	8.0	10.0	0.9	9.0	1000	—	0.3	—
2N2386A	5	FP5.3	•20	10.0	—	8.0	10.0	0.9	15.0	2200	5000	10.0	—
2N2497	5	FP5.3	20	32.0	—	5.0	10.0	1.0	3.0	1000	2000	20.0	1000
2N2498	5	FP5.3	20	32.0	—	6.0	10.0	2.0	6.0	1500	3000	40.0	800
2N2499	5	FP5.3	20	32.0	—	8.0	10.0	5.0	15.0	2000	4000	100.0	600
2N2500	5	FP5.3	20	32.0	—	6.0	10.0	1.0	10.0	1000	2200	20.0	—
2N2606	18	FP22.2	30	6.0	1.0	4.0	1.0	0.1	0.5.0	110	—	—	—
2N2607	18	FP22.2	30	10.0	1.0	4.0	3.0	0.3	1.5	330	1000	—	—
2N2608	18	FP22.2	30	17.0	1.0	4.0	10.0	0.9	4.5	1000	2500	—	—
2N2609•	18	FP22.2	30	30.0	1.0	4.0	30.0	2.0	10.0	2500	—	—	—
2N2841	18	FP22.2	30	6.0	—	1.7	1.0	—	13.0	60	—	—	—
2N2842	18	FP22.2	30	10.0	—	1.7	3.0	—	33.0	180	—	—	—
2N2843	18	FP5.3	30	17.0	—	1.7	10.0	0.2	1.0	540	—	—	—
2N2844	18	FP22.2	30	30.0	—	1.7	30.0	0.44	2.2	1800	—	—	—
2N3328	72	FP22.2	20	4.0	—	6.0	1.0	—	1.0	100	—	—	—
2N3329	72	FP5.3	20	20.0	—	5.0	10.0	1.0	3.0	1000	2200	20.0	1000
2N3330	72	FP5.3	20	20.0	—	5.0	10.0	2.0	6.0	1500	3000	40.0	800
2N3331	72	FP5.3	20	20.0	—	8.0	10.0	5.0	15.0	2000	4000	100.0	600
2N3332	72	FP5.3	20	20.0	—	6.0	10.0	1.0	6.0	1000	2200	20.0	—
2N3376	72	FP5.3	30	3.0	—	5.0	3.0	—	10.0	800	2300	—	1500
2N3378	72	FP22.2	30	3.0	—	5.0	3.0	0.1	1.0	1500	2300	—	750
2N3380	72	FP5.3	30	5.0	4.0	9.5	3.0	3.0	20.0	1500	3000	—	600
2N3382	72	FP5.3	30	16 typ	—	5.0	15.0	3.0	30.0	4500	12500	—	300
2N3384	72	FP7.3	30	16 typ	—	5.0	15.0	15.0	30.0	7500	12500	—	180
2N3386	72	FP5.3	30	16 typ	4.0	9.5	15.0	15.0	60.0	7500	15000	—	150
2N3574	72	FP22.2	25	6.0	0.5	2.0	600.0	0.15	.380	200	600	10.0	—
2N3575	72	FP22.2	25	6.0	1.0	4.0	0.6	—	1.0	300	900	20.0	—
2N3578	18	FP22.2	20	65.0	1.0	4.0	10.0	—	4.5	1200	3500	15.0	—
2N3909	72	FP5.3	20	32.0	8.0	10.0	3.0	1.0	5.0	1000	5000	100.0	—
UC400	72	FP5.3	30	8.0	—	6.0	0.1	5.0	15.0	3000	—	—	—
UC410	72	FP5.3	30	8.0	0.5	4.0	0.1	2.0	6.0	2250	—	—	—
UC420	72	FP5.3	30	8.0	0.2	2.5	0.1	0.5	2.3	1500	—	—	—
UC803	92	FP22.2	25	6.0	1.0	6.0	0.5	0.3	3.0	250	2500	—	—
UC805	72	FP5.3	25	12.0	1.0	8.0	1.0	0.3	25.0	1000	10000	—	25.0
UC814	72	FP5.3	3	16.0	1.0	8.0	2.0	0.3	15.0	800	5000	—	1.3
UC851	18	FP5.3	20	17.0	1.0	6.0	4.0	0.9	9.0	1000	—	—	—
UC853	18	FP5.3	25	10.0	1.0	6.0	4.0	1.0	10.0	180	—	—	—
UC854	18	FP5.3	25	17.0	1.0	6.0	15.0	0.2	—	540	—	—	—
UC855	18	FP5.3	25	25.0	1.0	6.0	25.0	0.44	—	1400	—	—	—

• This device qualified for JAN.

Most of these devices are available in an epoxy TO-92 package (KK prefix) with similar electrical characteristics. Specify KB prefix for leads formed to TO-18/TO-106 pin circle configuration.

PRODUCT CATALOG



LOW POWER FIELD EFFECT TRANSISTORS

Devices, Inc.

SWITCHES P-CHANNEL FETS

Type Number	Case Style (TO—)	Geometry	BV _{gss} Min (V)	C _{iss} Max (pF)	V _{gs} (off) (V)		I _{gss} or •I _{dgo} Max (nA)	I _{dss} (mA)		R(on) Max (uMhos)	T(on) Max (ns)	T(off) Max (ns)
					Min	Max		Min	Max			
2N3382	72	FP5.3	30	16 typ	1.0	5.0	15	3.0	3.0	300	—	—
2N3384	72	FP7.3	30	16 typ	4.0	5.0	15	15.0	30.0	180	—	—
2N3386	72	FP5.3	30	16 typ	4.0	9.5	15	15.0	50.0	150	—	—
2N3993	72	FP7.3	25	16	4.0	9.5	•1.2	10.0	—	150	—	—
2N3993A	72	FP7.3	25	12	4.0	9.5	•1.2	10.0	—	150	—	—
2N3994	72	FP7.3	25	16	1.0	5.5	•1.2	2.0	—	300	—	—
2N3994A	72	FP7.3	25	12	1.0	5.5	•1.2	2.0	—	300	—	—
2N5018	18	FP7.3	30	45	—	10.0	2.0	10.0	—	75	35	65
2N5019	18	FP7.3	30	45	—	5.0	2.0	5.0	—	150	90	125
2N5114•	18	FP7.3	30	25	5.0	10.0	0.5	30.0	90.0	75	16	21
2N5115•	18	FP7.3	30	25	3.0	6.0	0.5	16.0	60.0	100	30	38
2N5116•	18	FP7.3	30	25	1.0	4.0	0.5	5.0	25.0	150	42	60
J174	92	FP7.3	30	40	5.0	10.0	1.0	20.0	100.0	85	2	5
J175	92	FP7.3	30	40	3.0	6.0	1.0	7.0	60.0	125	5	10
J176	92	FP7.3	30	40	1.0	4.0	1.0	2.0	25.0	250	15	15
J177	92	FP7.3	30	40	0.8	2.25	1.0	1.5.0	20.0	300	20	20
U304	18	FP7.3	30	27	5.0	10.0	0.5	30.0	90.0	85	20	10
U305	18	FP7.3	30	27	3.0	6.0	0.5	15.0	60.0	110	25	15
U306	18	FP7.3	30	27	1.0	4.0	0.5	5.0	25.0	175	25	20
UC401	72	FP5.3	30	8	—	8.0	0.1	8.0	—	250	—	—
UC451	18	FP7.3	25	25	1.0	6.0	0.25	3.75	3.75	150	—	—
UC807	18	FP7.3	20	30	—	12.0	2.0	1.0	125.0	400	—	—

• These devices qualified for IAN, JTX, and JTXV.

Most of these devices are available in an epoxy TO-92 package (KK prefix) with similar electrical characteristics. Specify KB prefix for leads formed to TO-18/TO-106 pin circle configuration.



LOW POWER FIELD EFFECT TRANSISTORS AMPLIFIERS — P-CHANNEL FETS

Type Number	Case Style (TO—)	Geometry	BV _{gss} Min (V)	C _{iss} Max (pF)	V _{gs} (off) (V)		I _{gss} Max (nA)	I _{dss} (mA)		Y _{fs} (uMhos)		Y _{os} Max (uMhos)
					Min	Max		Min	Max	Min	Max	
2N2608	18	FP22.2	30	5.0	1.0	4.0	10	0.9	4.5	1000	—	—
2N2609•	18	FP22.2	30	5.0	1.0	4.0	30	2.0	10.0	2500	—	—
2N3328	72	FP22.2	20	4.0	—	6.0	1.0	—	1.0	100	—	—
2N3329	72	FP5.3	20	10.0	—	5.0	10	1.0	3.0	1000	2000	20
2N3330	72	FP5.3	20	10.0	—	6.0	10	2.0	6.0	1500	3000	40
2N3331	72	FP5.3	20	10.0	—	8.0	10	5.0	15.0	2000	4000	100
2N3332	72	FP5.3	20	10.0	—	6.0	10	1.0	6.0	1000	2200	20
KK3820	92	FP5.3	20	10.0	—	5.0	20	0.3	15.0	800	5000	200
KK4342	92	FP5.3	25	10.0	—	5.5	10	4.0	12.0	2000	6000	75
KK4343	92	FP5.3	25	10.0	—	10	10	10	30.0	4000	8000	100
KK4360	92	FP5.3	20	10.0	0.7	10	10	3.0	30.0	2000	8000	100
KK4381	92	FP5.3	25	15.0	1.0	5.0	1.0	3.0	12.0	2000	6000	75
KK4382	92	FP5.3	25	3.0	25.0	9.0	1.0	10.0	30.0	4000	8000	100
2N5020	18	FP5.3	25	15.0	0.3	1.5	1.0	0.3	1.2	1000	3500	20
2N5021	18	FP5.3	25	15.0	0.5	2.5	1.0	1.0	3.5	1500	6000	20
KK5033	92	FP5.3	20	10.0	0.3	2.5	10.0	0.3	3.5	1000	6000	20
2N5265	72	FP5.3	60	7.0	0.3	3.0	2.0	0.5	1.0	900	—	75
2N5266	72	FP5.3	60	7.0	—	3.0	2.0	0.8	1.6	1000	—	75
2N5267	72	FP5.3	60	7.0	—	6.0	2.0	1.5	3.0	1500	—	75
2N5268	72	FP5.3	60	7.0	—	6.0	2.0	2.5	5.0	2000	—	75
2N5460	92	FP5.3	40	15.0	0.75	6.0	5.0	1.0	5.0	1000	4000	50
2N5461	92	FP5.3	40	15.0	1.0	7.5	5.0	2.0	9.0	1500	5000	50
2N5462	92	FP5.3	40	15.0	1.8	9.0	5.0	4.0	16.0	2000	6000	50
UC451	18	FP7.3	25	25	1.0	6.0	6.0	37.5	—	6000	—	200

• This device qualified for JAN.

Most of these devices are available in an epoxy TO 92 package (KK prefix) with similar electrical characteristics. Specify KB prefix for leads formed to TO-18/TO-106 pin circle configuration.

LOW NOISE P-CHANNEL

Type Number	Case Style (TO—)	Geometry	•BVD _{go} or BV _{gss} Min (V)	C _{iss} Max (pF)	V _{gs} (off) (V)		I _{gss} Max (nA)	I _{dss} (mA)		Y _{fs} (uMhos)		Y _{os} Max (uMhos)	R(on) Max (ohms)
					Min	Max		Min	Max	Min	Max		
2N2500	5	FP5.3	•20	32	—	6.0	10.0	1.0	6.0	1000	2200	20	—
2N3332	72	FP5.3	•20	20	—	6.0	10.0	1.0	6.0	1000	2200	20	—
UC400	72	FP5.3	30	8	—	6.0	0.1	5.0	15.0	3000	—	—	300
UC410	72	FP5.3	30	8	—	4.0	0.1	2.0	6.0	2250	—	—	500
UC420	72	FP5.3	30	8	—	2.5	0.1	0.5	2.5	1500	—	—	700

SOLITRON DEVICES INC

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Devices, Inc

PRODUCT CATALOG

LOW POWER FIELD EFFECT TRANSISTORS

FIELD EFFECT CURRENT REGULATORS

Type No.	Regulator Current I_{pp} (mA) @ $V_{AK} = 25$ V			Min Small Signal Resistance $V_{AK} = 25$ V r_{ak} (M Ω)	Min Knee Resistance $V_{AK} = 6$ V r_{ak} (M Ω)	Max Limiting Voltage $I_A = 0.8 I_p$ V_{AK1} (Volts)
	Nom	Min	Max			
IN5283	0.22	0.198	0.242	25.0	2.75	1.00
IN5284	0.24	0.216	0.264	19.0	2.35	1.00
IN5285	0.27	0.243	0.297	14.0	1.95	1.00
IN5286	0.30	0.270	0.330	9.0	1.60	1.00
IN5287	0.33	0.297	0.363	6.60	1.35	1.00
IN5288	0.39	0.351	0.429	4.10	1.00	1.05
IN5289	0.43	0.387	0.473	3.30	0.870	1.05
IN5290	0.47	0.423	0.517	2.70	0.750	1.05
IN5291	0.56	0.504	0.616	1.90	0.560	1.10
IN5292	0.62	0.558	0.682	1.55	0.470	1.13
IN5293	0.68	0.612	0.748	1.35	0.400	1.15
IN5294	0.75	0.675	0.825	1.15	0.335	1.20
IN5295	0.82	0.738	0.902	1.00	0.290	1.25
IN5296	0.91	0.819	1.001	0.800	0.240	1.29
IN5297	1.00	0.900	1.10	0.800	0.205	1.35
IN5298	1.10	0.990	1.21	0.700	0.180	1.40
IN5299	1.20	1.08	1.32	0.640	0.155	1.45
IN5300	1.30	1.17	1.43	0.580	0.135	1.50
IN5301	1.40	1.26	1.54	0.540	0.115	1.55
IN5302	1.50	1.35	1.65	0.510	0.105	1.60
IN5303	1.60	1.44	1.76	0.475	0.092	1.65
IN5304	1.80	1.62	1.98	0.420	0.074	1.75
IN5305	2.00	1.80	2.20	0.395	0.061	1.85
IN5306	2.20	1.98	2.42	0.370	0.052	1.95
IN5307	2.40	2.16	2.64	0.345	0.044	2.00
IN5308	2.70	2.43	2.97	0.320	0.035	2.15
IN5309	3.00	2.70	3.30	0.300	0.029	2.25
IN5310	3.30	2.97	3.63	0.280	0.024	2.35
IN5311	3.60	3.24	3.96	0.265	0.020	2.50
IN5312	3.90	3.51	4.29	0.255	0.017	2.60
IN5313	4.30	3.87	4.73	0.245	0.014	2.75
IN5314	4.70	4.23	5.17	0.235	0.012	2.90

Notes: Devices supplied in DO-7 package. Use "E" prefix for TO-92 2-lead. "M" for TO-18 2-lead QPL pending.



Devices, Inc.

LOW POWER FIELD EFFECT TRANSISTORS

MOS-FETS, SINGLES, ENHANCEMENT MODE, P CHANNEL

Type Number	Case Style (TO—)	Geometry	V(Br)dss		Vgs(h)		Idss Max (nA)	R(on) Max (ohms)	Yfs		Ciss Max (pF)	Crss Max (pF)	Td(on) Max (nsec)
			Min (V)	Max (pA)	Min (V)	Max (V)			Min (mMhos)	Max (uMhos)			
3N163	72	FMP1.1	40	10	2.0	5.0	0.2	2.50	2000u	4000u	2.5	0.7	12
3N164	72	FMP1.1	30	10	2.0	5.0	0.4	3000	1000u	4000u	2.5	0.7	12
3N172	72	FMPZ1.1	40	200	2.0	5.0	0.4	250	1500u	4000u	3.5	1.0	12
3N173	72	FMPZ1.1	30	200	2.0	5.0	1.0	350	1000u	4000u	3.5	1.0	12

MOSFETS, DUAL MONOLITHIC ENHANCEMENT MODE, P-CHANNEL

Type Number	Case Style (TO—)	Geometry	BVgss Min (V)	Ciss Max (pF)	Vgss(th)		Idss		Yfs		Yfs ¹ /Yfs ² Match (%)	Idss ¹ /Idss ² Match (%)	Vgs ¹ Vgs ² (mV)	ΔVgs (uV/°C)	Yos Max (uMhos)	Igss Max (nA)
					Min (V)	Max (V)	Min (mA)	Max (mA)	Min (UMhos)	Max (UMhos)	Match (%)	Match (%)	Match (%)	Match (%)	Match (%)	
3N165	99	DFMP1	-40	-10	-2.0	01 -5.0	-200	300	1500μ	3000μ	3.0	0.7	15	0.9	1.0	100
3N166	99	DFMP1	-40	-10	-2.0	01 -5.0	-200	300	1500μ	3000μ	3.0	0.7	15	—	—	—
3N188	99	DFMPZ2	-40	-200	-2.0	10 -5.0	-200	300	1500μ	4000μ	4.5	1.5	15	0.85	1.0	100
3N189	99	DFMPZ2	-40	-200	-2.0	01 -5.0	-200	300	1500μ	4000μ	4.5	1.5	15	—	—	—
3N190	99	DFMP2	-40	-200	-2.0	10 -5.0	-200	300	1500μ	4000μ	4.5	1.0	15	0.85	1.0	100
3N191	99	DFMP2	-40	-10	-2.0	01 -5.0	-200	300	1500μ	4000μ	4.5	1.0	15	—	—	—

MOSFETS, N-CHANNEL ENHANCEMENT MODE

Type Number	Case Style (TO—)	Geometry	V(Br)dss		Vgs(th)		Idss Max (nA)	R(on) Max (ohms)	Yfs		Ciss Max (pF)	Crss Max (pF)	Td(on) Max (nsec)
			Min (V)	Max (pA)	Min (V)	Max (V)			Min (mMhos)	Max (uMhos)			
3N169	72	FMN1.1	25	10	.5	1.5	10	100	1000	—	5	1.3	1
3N170	72	FMN1.1	25	10	1.0	2.0	10	195	1000	—	5	1.3	2
3N171	72	FMN1.1	25	10	1.5	2.0	10	195	1000	—	5	1.3	2
2N7104	72	FMN1.2	30	10	0.5	2.0	10	50	10m	—	6.0	2.0	1
2N7105•	72	FMNZ1.2	30	10	0.5	2.0	10	50	10m	—	6.0	2.0	1
2N7106	72	FMN1.2	10	10	0.1	2.0	10	50	10m	—	6.0	2.0	1
2N7107•	72	FMNZ1.2	10	10	0.1	2.0	10	50	10m	—	6.0	2.0	1
2N7108	72	FMN1.2	20	10	0.1	2.0	10	50	10m	—	6.0	2.0	1
2N7109•	72	FMNZ1.2	20	10	0.1	2.0	10	50	10m	—	6.0	2.0	1
SDF8200	72	FMN35.3	25	100	0.1	2.0	1μA	70	13m	—	3.0	0.3	—
SDF8201•	72	FMNZ35.3	25	1nA	0.1	2.0	1μA	70	13m	—	3.0	0.3	—
SDF8202	72	FMN35.3	20	100	0.1	2.0	1μA	50	17m	—	3.6	0.3	—
SDF8203•	72	FMNZ35.3	20	1nA	0.1	2.0	1μA	50	17m	—	3.6	0.3	—
SDF9210	72	FMN35.5	30	100	0.5	2.0	10	70	10m	—	3.5	0.5	1
SDF9211•	72	FMNZ35.3	30	10nA	0.5	2.0	10	70	10m	—	3.5	0.5	1
SDF9212	72	FMN35.3	10	100	0.1	2.0	10	70	10m	—	3.5	0.5	1
SDF9213•	72	FMNZ35.3	10	10nA	0.1	2.0	10	70	10m	—	3.5	0.5	1
SDF9214	72	FMN35.3	20	100	0.1	2.0	10	70	10m	—	3.5	0.5	1
SDF9215•	72	FMNZ35.3	20	10nA	0.1	2.0	10	70	10m	—	3.5	0.5	1

• ZENER PROTECTED