

SMALL FET Product Specifications (Cont'd)

PART NUMBER	N or P	PACKAGE (TO-)	LEAKAGE (nA; MAX.)		THRESHOLD VOLTAGE (V, MAX.)	BREAKDOWN VOLTAGE (V, MAX.)	SATURATION CURRENT (mA)		TRANS-CONDUCTANCE (gfs (umhos))		INPUT CAPACITANCE (pF, MAX.)	NOISE VOLTAGE (nV/√Hz, MAX.) or (NF, dB, MAX.)	RESISTANCE		GEOMETRY (Section 4)	DEVICE
			Gate	Chnl			Min.	Max.	Min.	Max.			Gate Ω	Chnl Ω, Max.		
			GENERAL PURPOSE													
2N3821	N	72	0.1	-	4.0	50	0.5	2.5	1500	4500	6	200	-	-	NRL	
2N3822	N	72	0.1	-	6.0	50	2.0	10	3000	6500	6	200	-	-	NRL	
2N4220	N	72	0.1	-	4.0	30	0.5	3.0	1000	4000	6	-	-	-	NRL	
2N4221	N	72	0.1	-	6.0	30	2.0	6.0	2000	5000	6	-	-	-	NRL	
2N4222	N	72	0.1	-	8.0	30	5.0	15	2500	6000	6	-	-	-	NRL	
2N5457	N	92	1.0	-	6.0	25	1.0	5.0	1000	5000	7	3.0	1M	-	NRL	
2N5458	N	92	1.0	-	7.0	25	2.0	9.0	1500	5500	7	3.0	1M	-	NRL	
2N5459	N	92	1.0	-	8.0	25	4.0	16	2000	6000	7	3.0	100M	-	NRL	
J201	N	92	0.1	-	1.5	40	0.2	1.0	500	-	5.0	-	-	-	NP	
J201-18	N	92	0.1	-	1.5	40	0.2	1.00	500	-	5.0	-	-	-	NP	
J202	N	92	0.1	-	4.0	40	0.9	4.5	1000	-	5.0	-	-	-	NP	
J202-18	N	92	0.1	-	4.0	40	0.9	4.5	1000	-	5.0	-	-	-	NP	
J203	N	92	0.1	-	10	40	4.0	20	1500	-	5.0	-	-	-	NP	
J203-18	N	92	0.1	-	10	40	4.0	20	1500	-	5.0	-	-	-	NP	
J204	N	92	0.1	-	2.0	25	1.2	3.0	-	-	5.0	-	-	-	NP	
J204-18	N	92	0.1	-	2.0	25	1.2	3.0	-	-	5.0	-	-	-	NP	
J270	P	92	0.2	-	4.5	30	6.0	50	8000	18000	-	-	-	-	PS	
J271-18	P	92	0.2	-	4.5	30	6.0	50	8000	18000	-	-	-	-	PS	
PN4302	N	92	1.0	-	4.0	30	0.5	5.0	1000	-	6	2.0	1M	-	NP	
PN4302-18	N	92	1.0	-	4.0	30	0.5	5.0	1000	-	6.0	2.0	1M	-	NP	
PN4303	N	92	1.0	-	6.0	30	4.0	10	2000	-	6	2.0	1M	-	NP	
PN4303-18	N	92	1.0	-	6.0	30	4.0	10	2000	-	6.0	2.0	1M	-	NP	
PN4304	N	92	1.0	-	10.0	30	0.5	15	1000	-	6	3.0	1M	-	NP	
PN4304-18	N	92	1.0	-	10	30	0.5	15	1000	-	6.0	2.0	1M	-	NP	
PN5163	N	92	10	-	8.0	25	1.0	40.0	2000	9000	20	50.0	-	-	-	
MPF109	N	92	1.0	-	8.0	25	0.5	24	800	6000	7.0	2.5	1M	-	NRL	
MPF111	N	92	100	-	10	20	0.5	20	500	-	-	-	-	-	NRL	

Siliconix

SMALL SIGNAL FET Cross Reference (Cont'd)

Industry Part Number	Type and Classification	Recommended Replacement	Data Sheet Page	Geometry Page	Industry Part Number	Type and Classification	Recommended Replacement	Data Sheet Page	Geometry Page
2N3909	P JFET	2N2608			2N4340	N JFET	2N4340		
2N3909A	P JFET	2N3909			2N4341	N JFET	2N4341		
2N3921	D N JFET	2N3921			2N4352	P MOS ENH	3N163		
2N3922	D N JFET	2N3922			2N4381	P JFET	2N2609		
2N3954	D N JFET	2N3954			2N4382	P JFET	2N5115		
2N3954A	D N JFET	2N3954A			2N4391	N JFET	2N4391		
2N3955	D N JFET	2N3955			2N4392	N JFET	2N4392		
2N3955A	D N JFET	2N3955A			2N4393	N JFET	2N4393		
2N3956	D N JFET	2N3956			2N4416	N JFET	2N4416		
2N3957	D N JFET	2N3957			2N4416A	N JFET	2N4416A		
2N3958	D N JFET	2N3958			2N4445	N JFET	2N5432		
2N3966	N JFET	2N3966			2N4446	N JFET	2N5433		
2N3967	N JFET	2N4221			2N4447	N JFET	2N5432		
2N3967A	N JFET	2N4221			2N4448	N JFET	2N5433		
2N3968	N JFET	2N4339			2N4856	N JFET	2N4856		
2N3968A	N JFET	2N4339			2N4856A	N JFET	2N4856A		
2N3969	N JFET	2N4339			2N4856JAN	N JFET	2N4856JAN		
2N3969A	N JFET	2N3686			2N4856JANTX	N JFET	2N4856JANTX		
2N3970	N JFET	2N3970			2N4856JANTXV	N JFET	2N4856JANTXV		
2N3971	N JFET	2N3971			2N4857	N JFET	2N4857		
2N3972	N JFET	2N3972			2N4857A	N JFET	2N4857A		
2N3993	P JFET	2N3386			2N4857JAN	N JFET	2N4857JAN		
2N3993A	P JFET	2N3386			2N4857JANTX	N JFET	2N4857JANTX		
2N3994	P JFET	2N3382			2N4857JANTXV	N JFET	2N4857JANTXV		
2N3994A	P JFET	2N3382			2N4858	N JFET	2N4858		
2N4084	D N JFET	2N4084			2N4858A	N JFET	2N4858A		
2N4085	D N JFET	2N4085			2N4858JAN	N JFET	2N4858JAN		
2N4091	N JFET	2N4091			2N4858JANTX	N JFET	2N4858JANTX		
2N4091A	N JFET	2N4091			2N4858JANTXV	N JFET	2N4858JANTXV		
2N4092	N JFET	2N4092			2N4859	N JFET	2N4859		
2N4092A	N JFET	2N4092			2N4859A	N JFET	2N4859A		
2N4093	N JFET	2N4093			2N4859JAN	N JFET	2N4859JAN		
2N4093A	N JFET	2N4093			2N4859JANTX	N JFET	2N4859JANTX		
2N4117	N JFET	2N4117			2N4859JANTXV	N JFET	2N4859JANTXV		
2N4117A	N JFET	2N4117A			2N4860	N JFET	2N4860		
2N4118	N JFET	2N4118			2N4860A	N JFET	2N4860A		
2N4118A	N JFET	2N4118A			2N4860JAN	N JFET	2N4860JAN		
2N4119	N JFET	2N4119			2N4860JANTX	N JFET	2N4860JANTX		
2N4119A	N JFET	2N4119A			2N4860JANTXV	N JFET	2N4860JANTXV		
2N4120	P MOS ENH	3N163			2N4861	N JFET	2N4861		
2N4139	N JFET	2N3822			2N4861A	N JFET	2N4861A		
2N4220	N JFET	2N4220			2N4861JAN	N JFET	2N4861JAN		
2N4220A	N JFET	2N4220A			2N4861JANTX	N JFET	2N4861JANTX		
2N4221	N JFET	2N4221			2N4861JANTXV	N JFET	2N4861JANTXV		
2N4221A	N JFET	2N4221A			2N4867	N JFET	2N4867		
2N4222	N JFET	2N4222			2N4867A	N JFET	2N4867A		
2N4222A	N JFET	2N4222A			2N4868	N JFET	2N4868		
2N4223	N JFET	2N4223			2N4868A	N JFET	2N4868A		
2N4224	N JFET	2N4224			2N4869	N JFET	2N4869		
2N4267	P MOS ENH	3N163			2N4869A	N JFET	2N4869A		
2N4302	N JFET	PN4302-18			2N4977	N JFET	2N5432		
2N4303	N JFET	PN4303-18			2N4978	N JFET	2N5433		
2N4304	N JFET	PN4304-18			2N4979	N JFET	2N5434		
2N4338	N JFET	2N4338			2N5018	P JFET	2N5018		
2N4339	N JFET	2N4339			2N5019	P JFET	2N5019		

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SMALL SIGNAL FET Cross Reference (Cont'd)

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Industry Part Number	Type and Classification	Recommended Replacement	Data Sheet Page	Geometry Page	Industry Part Number	Type and Classification	Recommended Replacement	Data Sheet Page	Geometry Page
2N6453	N JFET	2N4393			202S	N JFET	2N4392		
2N6454	N JFET	2N4393			203S	N JFET	2N3821		
2N6483	D N JFET	U401			204S	N JFET	2N3821		
2N6484	D N JFET	U402			210U	N JFET	2N4416		
2N6585	D N JFET	U404			231S	D N JFET	2N3954		
2N6568	N JFET	U290			232S	D N JFET	2N3955		
2N6656	V MOS N ENH	2N6656			233S	D N JFET	2N3956		
2N6657	V MOS N ENH	2N6657			234S	D N JFET	2N3957		
2N6658	V MOS N ENH	2N6658			235S	D N JFET	2N3958		
2N6659	V MOS N ENH	2N6659			241U	N JFET	2N4869		
2N6660	V MOS N ENH	2N6660			250U	N JFET	2N4091		
2N6661	V MOS N ENH	2N6661			251U	N JFET	2N4392		
3N145	P MOS ENH	3N163			703U	N JFET	2N4220		
3N146	P MOS ENH	3N163			704U	N JFET	2N4220		
3N155	P MOS ENH	3N163			705U	N JFET	2N4224		
3N155A	P MOS ENH	3N163			707U	N JFET	2N4860		
3N156	P MOS ENH	3N163			714U	N JFET	2N3822		
3N156A	P MOS ENH	3N163			734U	N JFET	2N4416		
3N157	P MOS ENH	3N163			734EU	N JFET	PN4416		
3N157A	P MOS ENH	3N163			751U	N JFET	2N4340		
3N158	P MOS ENH	3N163			752U	N JFET	2N4340		
3N158A	P MOS ENH	3N163			753U	N JFET	2N4341		
3N163	P MOS ENH	3N163			754U	N JFET	2N4340		
3N164	P MOS ENH	3N154			755U	N JFET	2N4341		
3N174	P MOS ENH	3N163			756U	N JFET	2N4340		
14T	N JFET	2N3819			1277A	N JFET	2N3822		
142T	N JFET	PN4392			1278A	N JFET	2N3821		
158T	N JFET	PN4302			1279A	N JFET	2N3821		
159T	N JFET	PN4416			1280A	N JFET	2N4224		
100S	N JFET	PN4304			1281A	N JFET	2N3822		
100U	N JFET	2N3684			1282A	N JFET	2N4341		
102M	N JFET	2N5486			1283A	N JFET	2N4340		
102S	N JFET	2N4302			1284A	N JFET	2N4222		
103M	N JFET	2N5457			1285A	N JFET	2N3821		
103S	N JFET	2N5459			1286A	N JFET	2N4220		
104M	N JFET	2N5458			1325A	N JFET	2N4222		
105M	N JFET	2N5459			1714A	N JFET	2N4340		
105U	N JFET	2N4222			2000M	N JFET	2N3823		
106M	N JFET	2N5485			2001M	N JFET	2N3823		
107M	N JFET	2N5486			2078A	D N JFET	2N3955		
110U	N JFET	2N4339			2079A	D N JFET	2N3955		
115U	N JFET				2080A	D N JFET	2N5546		
120U	N JFET	2N4340			2081A	D N JFET	2N5546		
125U	N JFET	2N4339			2093M	N JFET	2N3687		
130U	N JFET	2N4341			2094M	N JFET	2N3686		
135U	N JFET	2N4339			2095M	N JFET	2N3686		
155U	N JFET	2N4416			2098A	D NJFET	2N5545		
182S	N JFET	2N4391			2099A	D N JFET	2N5546		
183S	N JFET	2N3823			2130U	D N JFET	2N5452		
197S	N JFET	2N4338			2132U	D N JFET	2N3955		
198S	N JFET	2N4340			2134U	D N JFET	2N3956		
199S	N JFET	2N4341			2136U	D N JFET	2N3957		
200S	N JFET	2N4392			2138U	D N JFET	2N3958		
200U	N JFET	2N3824			2139U	D N JFET	2N3958		
201S	N JFET	2N4391			2147U	D N JFET	2N3958		

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