

# DISCRETE SEMICONDUCTOR

## Transistors

### •Bipolar Transistors

Part	Pin to Pin Compatibility	Polarity	P <sub>c</sub> max, W	V <sub>ce</sub> max, V	V <sub>ce</sub> max, V	V <sub>eb</sub> max, V	I <sub>c</sub> max, mA	h <sub>FE</sub>	V <sub>ce</sub> sat, V	I <sub>cb0</sub> , μA	F <sub>T</sub> , MHz	Nf, dB	Package (Pads)
KT220A9 KT220B9 KT220B9 KT220Г9	KSC1623	NPN	0.2	60	50	5	100	90...180 135...270 200...400 300...600	0.3	0.1	250		SOT-23
KT3102AM KT3102BM KT3102BM KT3102ГM KT3102ГM KT3102DM KT3102EM KT3102ЖM KT3102ИM KT3102KM	BC547A BC547B BC548B BC548C BC549B BC238B BC549C	NPN	0.25	50 50 30 20 30 20 50 50 30	50 50 30 20 30 20 50 50 30	5 5 5 5 5 5 5 5 5	200	100...250 200...500 200...500 400...800 200...500 400...1000 100...250 200...500 200...500	0.25	0.05 0.05 0.015 0.015 0.015 0.015 0.05 0.05 0.015	200 200 200 200 300 300 200 200	10 10 10 10 4 4	TO-92
KT3107A KT3107Б KT3107В KT3107Г KT3107Д KT3107Е KT3107Ж KT3107И KT3107К KT3107Л	BC307A BC308A BC308B BC309B BC307B BC308C BC309C	PNP	0.3	50 50 30 30 30 25 25 50 30 25	45 45 25 25 25 20 20 45 25 20	5 5 5 5 5 5 5 5 5 5	100	70...140 120...220 70...140 120...220 180...460 120...220 180...460 180...460 380...800 380...800	0.2	0.1	250	10 10 10 10 10 4 4 10 10 4	TO-92
KT3117A KT3117Б KT3117A1	2N2221 2N2222 PN2222	NPN	0.3 0.3 0.5	60 75 60	60 75 60	4 4 4	400	40...200 100...300 40...200	0.6	10	200		TO-18 TO-92
KT3126A KT3126Б	BF506	PNP	0.15	30	30	3	30	25...100 60...180	1.2	0.5	500	5	TO-92
KT3127A KT3128A1	2N4411 BF272	PNP	0.1 0.3	20 40	20 35	3 4	25 30	25...150 35...150		1.0 0.1	600 800	5 5	TO-72 TO-92
KT3129A9 KT3129Б9 KT3129В9 KT3129Г9 KT3129Д9	BC857A BC858A BC858B	PNP	0.1	50 50 30 30 30	40 40 20 20 20	5 5 5 5 5	100	30...120 80...250 80...250 200...500 200...500	0.2	1.0	200		SOT-23
KT3130A9 KT3130Б9 KT3130В9 KT3130Г9 KT3130Д9 KT3130Е9 KT3130Ж9	BCW71 BCW72 BCW32	NPN	0.1	50 50 30 20 30 20 30	40 40 20 15 20 15 25	5 5 5 5 5 5 5	100	100...250 200...500 200...500 400...1000 200...500 400...1000 100...500		0.1	150 150 150 300 150 300 150	10 10 10 4 4	SOT-23
KT3142A	2N2369	NPN	0.36	40	40	4.5	200	40...120	0.25	0.4	500		TO-18
KT3153A9	BCW60,70,706	NPN	0.3	60	50	5	400	100...300	0.35	0.05	250		SOT-23
KT3157A	BF423	PNP	0.2	250	250	5	30	>50	1.0	0.1	60		TO-92
KT3189A9 KT3189Б9 KT3189В9	BC847A BC847B BC847C	NPN	0.225	50	45	6	100	110...220 200...450 420...800	0.6	0.015	300	10	SOT-23
KT368A9 KT368Б9	BF599 KSC2757	NPN	0.1	15	15	4	30	50...300		0.5	900	3.3	SOT-23
KT502A KT502Б KT502В KT502Г KT502Д KT502Е	KSA539 BC212	PNP	0.35	40 40 60 60 80 90	25 25 40 40 60 80	5 5 5 5 5 5	150	40...120 80...240 40...120 80...240 40...120 40...120	0.6	1	5		TO-92

• Bipolar Transistors (continued)

Part	Pin to Pin Compatibility	Polarity	P <sub>c</sub> max, W	V <sub>ce</sub> max, V	V <sub>ce</sub> max, V	V <sub>EB</sub> max, V	I <sub>c</sub> max, mA	h <sub>FE</sub>	V <sub>CE</sub> sat, V	I <sub>CEO</sub> , μA	F <sub>T</sub> , MHz	Nf, dB	Package (Pads)
KT503A KT503B KT503B KT503Г KT503Д KT503E	KSC815 BC183	NPN	0.35	40 40 60 60 80 100	25 25 40 40 60 80	5	150	40...120 80...240 40...120 80...240 40...120 40...120	0.6	1	5		TO-92
KT520A KT520B	MPSA42 MPSA43	NPN	0.625	300 200	300 200	6	500	>40	0.5 0.4	100	50		TO-92
KT521A KT521B	MPSA92 MPSA93	PNP	0.625	300 200	300 200	5	500	>40	0.5 0.4	100	50		TO-92
KT8109A KT8109B KT8109B KT8109Г KT8109Д	SS9012D SS9012E SS9012F SS9012G SS9012H	PNP	0.625	40	20	5	500	64...91 78...112 96...135 112...166 144...202	0.6	0.1			TO-92
KT8110A KT8110B KT8110B KT8110Г KT8110Д	SS9013D SS9013E SS9013F SS9013G SS9013H	NPN	0.625	40	20	5	500	64...91 78...112 96...135 112...166 144...202	0.6	0.1			TO-92
KT8111A KT8111B KT8111B KT8111Г	SS9014A SS9014B SS9014C SS9014D	NPN	0.45	50	45	5	100	80...150 100...300 200...600 400...1000	0.3	0.05	150	10	TO-92
KT8112A KT8112B KT8112B	SS9015A SS9015B SS9015C	PNP	0.45	50	45	5	100	80...150 100...300 200...600	0.7	0.05	100	10	TO-92
KT8113A KT8113B KT8113B KT8113Г KT8113Д KT8113E	SS9018D SS9018E SS9018F SS9018G SS9018H SS9018I	NPN	0.4	30	15	5	50	28...45 39...60 54...80 72...108 97...146 132...198	0.5	0.05	700		TO-92
KT8114A KT8114B KT8114B KT8114Г KT8114Д KT8114E	SS8050B SS8050C SS8050D	NPN	1.0 1.0 1.0 0.7 0.7 0.7	40	25	6	1500	85...160 120...200 150...300 150...300 1100 1100 1100	0.5	0.1	100		TO-92
KT8115A KT8115B KT8115B KT8115Г KT8115Д KT8115E	SS8550B SS8550C SS8550D	PNP	1.0 1.0 1.0 0.7 0.7 0.7	40	25	6	1500	85...160 120...200 150...300 150...300 1100 1100 1100	0.5	0.1	100		TO-92
KT8116A KT8116B	2N5401 2N5400	PNP	0.625	160 130	150 120	5	600	60...240 40...180	0.5	0.05 0.1	100	8	TO-92
KT8117A KT8117B	2N5551 2N5550	NPN	0.625	180 160	160 140	6	600	80...250 80...250	0.2 0.25	0.05 0.1	100	8	TO-92
	2N5551X	NPN		180	160	6	600	80...250	0.15	0.05	100	8	Only chip
	KSC1623X	NPN		50	40	5	100	90...600	0.3	0.1	200	6	Only chip
KT8128A KT8128B KT8128B KT8128Г KT8128Д KT8128E	SS9016D SS9016E SS9016F SS9016G SS9016H SS9016I	NPN	0.4	30	20	4	25	28...45 39...60 54...80 72...108 97...146 132...198	0.3	0.1	400	5	TO-92

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### • Bipolar Transistors (continued)

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KT6136A	2N3906	PNP	0.625	40	40	5	200	100...300	0.4	0.05	250		TO-92
KT6137A	2N3904	NPN	0.625	60	40	6	200	100...300	0.3	0.05	300		TO-92
	BC182 BC182A BC182B	NPN	0.5	60	50	6	100	120...450 120...220 200...450	0.6	0.015	150	10	TO-92
	BC183 BC183A BC183B BC183C	NPN	0.5	45	30	6	100	110...800 110...220 200...450 420...800	0.6	0.015	150	10	TO-92
KT607A-4 KT607B-4	2N4073	NPN	1.5	40 30 40	35 30 35	4	150			0.1	1000	700	TO-92
	BC639	NPN	0.625	100	80	5	1500	≥25	0.5	0.1	100		TO-92
	BC640	PNP	0.625	100	80	5	1500	≥25	0.5	0.1	100		TO-92
KT646A KT646B KT646B	2SC495 2CS496	NPN	1.0	60 40 40	60 40 40	4	1000	40...200 >150 150...340	0.85 0.25 0.25	10 10 0.05	250		TO-126
KT660A KT660B	BC337 BC338	NPN	0.5	50 30	45 30	5	800	110...220 200...450	0.5	1.0	200		TO-92
KT805AM KT805BM KT805BM KT805MM	KSD362  KSD773	NPN	30	300	45 30	5	5000	V <sub>KER</sub> >15 >15 >15 >25	  2.5 3.0	1.0			TO-92
KT814A KT814B KT814B KT814Г	BD136 BD138 BD140	PNP	10		40 50 70 100	5	1500	40...275 40...275 40...275 30...275	0.6	50	40		TO-126
KT815A KT815B KT815B KT815Г	BD135 BD137 BD139	NPN	10		40 50 70 100	5	1500	40...275 40...275 40...275 30...275	0.6	50	40		TO-126
KT816A KT816B KT816B KT816Г	BD234 BD236 BD238	PNP	25		40 45 60 100	5	3000	25...275	0.6	100	3.0		TO-126
KT817A KT817B KT817B KT817Г	BD233 BD235 BD237	NPN	25		40 45 60 100	5	3000	25...275	0.6	100	3.0		TO-126
KT8126A1 KT8126B1	MJE13007 MJE13006	NPN	80	700 600	400 300	9	8000	8...60	1.0	1000	4.0		TO-220
KT8164A KT8164B	MJE13005 MJE13004	NPN	75	700 600	400 300	9	4000	8...40	1.0	1000			TO-220
KT8170A1 KT8170B1	MJE13003 MJE13002	NPN	40	700 600	400 300	9 9	1500	8...40	1.0	1000	4.0		TO-126
KT8176A KT8176B KT8176B	TIP31A TIP31B TIP31C	NPN	40	60 80 100	60 80 100	5	3000	>25	1.2		3.0		TO-220

• **Bipolar Transistors** (continued)

Part	Pin to Pin Compatibility	Polarity	P <sub>C</sub> max, W	V <sub>CB</sub> max, V	V <sub>CE</sub> max, V	V <sub>EB</sub> max, V	I <sub>C</sub> max, mA	h <sub>FE</sub>	V <sub>CE</sub> sat, V	I <sub>CBO</sub> , μA	F <sub>T</sub> , MHz	Nf, dB	Package (Pads)
KT8177A KT8177B KT8177B	TIP32A TIP32B TIP32C	PNP	40	60 80 100	60 80 100	5	3000	>25	1.2		3.0		TO-220
KT8212A KT8212B KT8212B	TIP41C TIP41B TIP41A	NPN	65	60 80 100	60 80 100	5	6000	15...75	1.5	I <sub>CES</sub> =400	3.0		TO-220
KT8213A KT8213B KT8213B	TIP42C TIP42B TIP42A	PNP	65	60 80 100	60 80 100	5	6000	15...75	1.5	I <sub>CES</sub> =400	3.0		TO-220
	MJE2955	PNP	75	70	60	5	10000	20...100	1.1	1000			TO-220
	MJE3055	NPN	75	70	60	5	10000	20...100	1.1	1000			TO-220
KT738A KT739A	TIP3055 TIP2955	NPN PNP	90	70	60	5	15000	20...100	1.1	1000			TO-218
KT732A KT733A	MJE4343 MJE4353	NPN PNP	125	160	160	7	16000	8...15	2.0	750	1.0		TO-218
KT8224A KT8224B*	BU2508A BU2508D	NPN	100	1500	700	7.5	8000	4...7	1.0	I <sub>CEO</sub> =1.0 100...187			TO-218
KT8225A	BU941ZP	NPN	155		350	5	15000	>300	1.8	V <sub>EB</sub> =5.0V I <sub>CEO</sub> =20			TO-218
KT8228A KT8228B*	BU2525A BU2525D	NPN	125	1500	800	7.5	12000	5.0...9.5	5.0	I <sub>CEO</sub> =1.0 80...150			TO-218
KT8229A	TIP35F	NPN	125	180	180	5	25000	15...75	1.8	I <sub>CEO</sub> =1.0	3.0		TO-218
KT8230A	TIP36F	PNP	125	180	180	5	25000	15...75	1.8	1.0	3.0		TO-218
KT8261A	BUD44D2	NPN	25	700	400	9	2000	>10	0.65	0.1			TO-126
	BUL44D2	NPN	40	700	400	9	5000	>10	0.65	0.1			TO-220
KT8247A	BUL45D2	NPN	75	700	400	12	5000	>22	0.5	100			TO-220
KT8248A	BU2506F	NPN	90	V <sub>CEK</sub> 1500	700	7.5	5000	3.8...9.0	3.0	I <sub>CEK</sub> , mA 1.0			TO-218
KT538A	MJE13001	NPN	0.7	600	400	9	0.5	5...90	0.5	1000	4		TO-92
KT8248A1	BU2506F	NPN	90	V <sub>CEK</sub> 1500	700	7.5	5000	3.8...9.0	3.0	I <sub>CEK</sub> ,mA 1.0			TO-218
KT8290A	BUH100	NPN	100	700	400	9	10000	>10	1.0	0.1			TO-220
KT8255A	BU407	PNP	60	330	160	6	7000	>15	1.0	1.0			TO-220
KT8270A	MJE13001	NPN	0.7	600	400	9	0.5	5...90	0.5	1000	4		TO-126
KT8296A KT8296B KT8296B KT8296G	KSD882R KSD882O KSD882Y KSD882G	NPN	10	40	30	5	3000	60...120 100...200 160...320 200...400	0.5	100			TO-126
KT8297A KT8297B KT8297B KT8297G	KSB772R KSB772O KSB772Y KSB772G	PNP	10	40	30	5	3000	60...120 100...200 160...320 200...400	0.5	100			TO-126
KT872A KT872B KT872B KT872I* with clamping diode	BU508A BU508 BU508D	NPN	100	1500 1500 1200 1500	700 700 600 700	6	1000	>6	1.0 5.0 1.0 1.0		4.0		TO-218
KT928A	2N2218	NPN	0.5	60	60	5	0.8	20...100	1.0	5.0	250		TO-126
KT928B	2N2219	NPN	0.5	60	60	5	0.8	50...200	1.0	5.0	250		TO-126
KT928C	2N2219A	NPN	0.5	75	75	5	0.8	100...300	1.0	1.0	250		TO-126
KT940A KT940B KT940B	BF459 BF458	NPN	10	300 250 160	300 250 160	5	100	>25	1.0	0.05			TO-126
KT969A	BF469	NPN	6	300	250	5	100	50...250	1.0	0.05	60		TO-126

# DISCRETE SEMICONDUCTOR

## Transistors

### • Power Bipolar Darlington Transistors

Part	Pin to Pin Compatibility	Polarity	P <sub>c</sub> max, W	V <sub>CB</sub> max, V	V <sub>CE</sub> max, V	V <sub>EB</sub> max, V	I <sub>c</sub> max, mA	h <sub>FE</sub>	V <sub>CE</sub> sat, V	I <sub>CB0</sub> , μA	F <sub>T</sub> , MHz	Package
KT8115A KT8115B KT8115B	TIP127 TIP126 TIP125	PNP	65	100 80 60	100 80 60	5	5000	>1000	2.0	200	4	TO-220
KT8116A KT8116B KT8116B	TIP122 TIP121 TIP120	NPN	65	100 80 60	100 80 60	5	5000	>1000	2.0	200	4	TO-220
KT8214A KT8214B KT8214B	TIP110 TIP111 TIP112	NPN	50	60 80 100	60 80 100	5	2000	>500	2.5	1000		TO-220
KT8215A KT8215B KT8215B	TIP115 TIP116 TIP117	PNP	50	60 80 100	60 80 100	5	2000	>500	2.5	1000		TO-220
KT8156A KT8156B	BU807	NPN	60	330	150 200	6	8000	>100	1.5	1000		TO-220
KT8158A KT8158B KT8158B	BDV65A BDV65B BDV65C	NPN	125	60 80 100	60 80 100	5	12000	>1000	2.0	400		TO-218
KT8159A KT8159B KT8159B	BDV64A BDV64B BDV64C	PNP	125	60 80 100	60 80 100	5	12000	>1000	2.0	400		TO-218
KT8225A	BU941ZP	NPN	155	350	350	5	15000	>300	2.7	100		TO-218
KT8251A	BDV65F	NPN	125	180	180	5	10000	>100	2.0	0.4		TO-218
KT972A KT972B KT972B KT972Г	BD875	NPN	8.0	60 45 60 60	60 45 60 60	5	2000	>750 >750 750...5000 750...5000	1.5 1.5 1.5 0.95		200	TO-126
KT973A KT973B KT973B	BD876	PNP	8.0	60 45 60	60 45 60	5	2000	>750 >750 750...5000	1.5 1.5 1.5		200	TO-126

### • Unijunction Transistors

Part	Pin to Pin Compatibility	P max, W	V <sub>b</sub> , b2 max, V	I <sub>e</sub> pulse, A	I <sub>e</sub> rev, μA	V <sub>eb</sub> sat, V	η	Package
KT132A KT132B	2N2646 2N2647	0.3	35	2.0	12.0 0.2	3.5	0.56...0.75 0.68...0.82	Case 22A-01
KT133A KT133B	2N4870 2N4871	0.3	35	1.5	1.0	2.5	0.56...0.75 0.70...0.85	TO-92

### • Logic Level N-Channel MOSFETs

Part	Pin to Pin Compatibility	V <sub>ds</sub> max, V	R <sub>ds</sub> (on) Ohm	I <sub>d</sub> max, A	V <sub>gs</sub> max, V	P max, W	V <sub>gs</sub> (th), V	Package
KП723Г	IRLZ44	60	0.028	50	±10	150	1.0...2.0	TO-220
KП727B	IRLZ34	60	0.05	30	±10	88	1.0...2.0	TO-220
KП744Г	IRL520	100	0.27	9.2	±10	60	1.0...2.0	TO-220
KП745Г	IRL530	100	0.22	15	±10	88	1.0...2.0	TO-220
KП746Г	IRL540	100	0.077	28	±10	150	1.0...2.0	TO-220
KП737Г	IRL630	200	0.4	18	±10	50	1.0...2.0	TO-220
KП750Г	IRL640	200	0.18	18	±10	50	1.0...2.0	TO-220
KП775A KП775B KП775B	2SK2498A-B	60 55 60	0.009 0.009 0.011	50	±20	150	1.0...2.0 1.0...2.0 1.0...2.0	TO-220

### • Low Power MOSFETs

Part	Pin to Pin Compatibility	P max, W	Vgs max, V	Vds max, V	Vgs(off), V	Rds(on), Ohm	Id max, A	g fs, A/V	Package
КП501А КП501Б КП501В	ZVN2120	0.5	±20	240 200 200	1.0...3.0 1.0...3.0	10 10 15	10	>0.1	TO-92
КП502А	BSS124	1.0	±10	400	1.5...2.5	28	0.12	0.1	TO-92
КП503А	BSS129	1.0	±10	400	1.5...2.5	28	0.12	0.1	TO-92
КП504А КП504Б КП504В КП504Г КП504Д КП504Е	BSS88	1.0 1.0 0.7 0.7 0.7 0.7	±10	250 250 200 180 200 200	0.6...1.2	8 8 8 10 8 8	0.32	0.14	TO-92
КП505А КП505Б КП505В КП505Г	BSS295	1.0 1.0 1.0 0.7	±10	50 50 60 8	0.8...2.0 0.8...2.0 0.8...2.0 0.4...0.8	0.3 0.3 0.3 1.2	1.4	0.5 0.5 0.5	TO-92
КП507А	BSS315	1.0	±20	-50	-0.8...-2.0	0.8	-1.1		TO-92
КП508А	BSS92	1.0	±20	-240	-0.8...-2.0	20	-0.15		TO-92
КП509А9 КП509Б9 КП509В9	BSS131	0.36 0.50 0.36	±14	240 240 200	0.8...-2.0 0.6...-1.2 0.8...-2.0	16 8 16	0.1 0.25 0.1	0.06 0.14 0.06	SOT-23
КП510А9	IRML2402	0.54	±12	20	0.7...-1.6	0.25	1.2	1.3	SOT-23
КП511А КП511Б	TN0535 TN0540	0.75	±20	350 400	0.8...-2.0	22	0.14	0.125	TO-92
КП523А КП523Б	BSS297	1.0 1.0	±20 ±14	200 200	0.8...2.0 0.8...2.0	2.0 4.0	0.48 0.34	0.5 0.5	TO-92
КП214А9	2N7002LT1	0.2	±40	60	1.0...2.5	7.5	0.115	0.08	SOT-23

### • Power N-Channel MOSFETs

Part	Pin to Pin Compatibility	Vds max, V	Rds (on), Ohm	Id max, A	Vgs max, V	P max, W	Vgs (th), V	Package
КП723А КП723Б КП723В	IRFZ44 IRFZ45 IRFZ40	60 60 50	0.028 0.035 0.028	50 50 50	±20	150	2.0...4.0	TO-220
КП726А КП726Б	BUZ90А BUZ90	600	2.0 1.6	4.0 4.5	±20	75	2.0...4.0	TO-220
КП727А КП727Б	BUZ71 IRFZ34	50 60	0.1 0.05	14 30	±20	75	2.0...4.0	TO-220
КП728Г1,Г2 КП728С1,С2 КП728Е1,Е2	BUZ80А	700 650 600	5.0 4.0 3.0	3.0	±20	75	2.0...4.0	TO-220
КП739А КП739Б КП739В	IRFZ14 IRFZ10 IRFZ15	60 50 60	0.2 0.2 0.3	10 10 8.3	±20	43	2.0...4.0	TO-220
КП740А КП740Б КП740В	IRFZ24 IRFZ20 IRFZ25	60 50 60	0.1 0.1 0.12	17 17 14	±20	60	2.0...4.0	TO-220
КП741А КП741Б	IRFZ48 IRFZ46	60 50	0.018 0.024	50	±20	190 150	2.0...4.0	TO-220
КП742А КП742Б	STH75N06 STH80N05	60 50	0.014 0.012	75 80	±20	200	2.0...4.0	TO-218

# DISCRETE SEMICONDUCTOR

## Transistors

### • Power N-Channel MOSFETs (continued)

Part	Pin to Pin Compatibility	Vds max, V	Rds (on), Ohm	Id max, A	Vgs max, V	P max, W	Vgs (th), V	Package
KП743A	IRF510	100	0.54	5.6	±20	43	2.0...4.0	TO-220
KП743Б	IRF511	80	0.54	5.6				TO-126
KП743B	IRF512	100	0.74	4.9				
KП743A1		100	0.54	5.5	±20	40	2.0...4.0	TO-126
KП744A	IRF520	100	0.27	9.2	±20	60	2.0...4.0	TO-220
KП744Б	IRF521	80	0.27	9.2				
KП744B	IRF522	100	0.36	8.0				
KП745A	IRF530	100	0.16	14.0	±20	88	2.0...4.0	TO-220
KП745Б	IRF531	80	0.16	14.0				
KП745B	IRF532	100	0.23	12.0				
KП746A	IRF540	100	0.077	28.0	±20	150	2.0...4.0	TO-220
KП746Б	IRF541	80	0.077	28.0				
KП746B	IRF542	100	0.1	25.0				
KП747A	IRFP150	100	0.055	41.0	±20	230	2.0...4.0	TO-218
KП748A	IRF610	200	1.5	3.3	±20	36	2.0...4.0	TO-220
KП748Б	IRF611	150	1.5	3.3				
KП748B	IRF612	200	2.4	2.6				
KП749A	IRF620	200	0.8	5.2	±20	50	2.0...4.0	TO-220
KП749Б	IRF621	150	0.8	5.2				
KП749B	IRF622	200	1.2	4.0				
KП737A	IRF630	200	0.4	9.0	±20	74	2.0...4.0	TO-220
KП737Б	IRF634	250	0.45	8.1				
KП737B	IRF635	200	0.68	6.5				
KП750A	IRF640	200	0.18	18.0	±20	125	2.0...4.0	TO-220
KП750Б	IRF641	150	0.18	18.0				
KП750B	IRF642	200	0.22	16.0				
KП731A	IRF710	400	3.6	2.0	±20	36	2.0...4.0	TO-220
KП731Б	IRF711	350	3.6	2.0				
KП731B	IRF712	400	5.0	1.7				
KП751A	IRF720	400	1.8	3.3	±20	50	2.0...4.0	TO-220
KП751Б	IRF721	350	1.8	3.3				
KП751B	IRF722	400	2.5	2.8				
KП752A	IRF730	400	1.0	5.5	±20	74	2.0...4.0	TO-220
KП752Б	IRF731	350	1.0	5.5				
KП752B	IRF732	400	1.5	4.5				
<i>Pilot Production</i>								
KП753A	IRF830	500	1.5	4.5	±20	74	2.0...4.0	TO-220
KП753Б	IRF831	450	1.5	4.5				
KП753B	IRF832	500	2.0	4.0				
<i>Pilot Production</i>								
KП771A	STP40N10	100	0.04	40	±20	150	2.0...4.0	TO-220
KП776A	IRF740	400	0.55	10.0	±20	125	2.0...4.0	TO-220
KП776Б	IRF741	350	0.55	10.0				
KП776B	IRF742	400	0.8	8.3				
KП776Г	IRF744	450	0.63	8.8				
<i>Pilot Production</i>								

● **Power N-Channel MOSFETs** (continued)

Part	Pin to Pin Compatibility	Vds max, V	Rds (on), Ohm	Id max, A	Vgs max, V	P max, W	Vgs (th), V	Package
КП777А	IRF840	500	0.85	8.0	±20	125	2.0...4.0	TO-220
КП777Б	IRF841	450	0.85	8.0				
КП777В	IRF842	500	1.1	7.0				
<i>Pilot Production</i>								
КП778А	IRFP250	200	0.085	30.0	±20	190	2.0...4.0	TO-220
КП779А	IRFP450	500	0.4	14.0	±20	190	2.0...4.0	TO-220
<i>Pilot Production</i>								
КП780А	IRF820	500	3.0	2.5	±20	50	2.0...4.0	TO-220
КП780Б	IRF821	450	3.0	2.5				
КП780В	IRF822	500	4.0	2.2				
КП781А	IRFP350	400	0.3	16.0	±20	190	2.0...4.0	TO-220
<i>Pilot Production</i>								
КП783А	IRF3205	55	0.008	70.0	±20	200	2.0...4.0	TO-220
<i>Pilot Production</i>								
КП786А <i>Pilot Production</i>	BUZ80А	800	3.0	4.0	±20	100	2.0...4.0	TO-220
КП787А <i>Pilot Production</i>	BUZ91А	600	0.9	8.0	±20	150	2.0...4.0	TO-220
КП789А <i>Pilot Production</i>	BUZ111S	320	0.008	80.0	±20	250	2.1...4.0	TO-220

● **Power P-Channel MOSFETs**

Part	Pin to Pin Compatibility	Vds max, V	Rds (on), Ohm	Id max, A	Vgs max, V	P max, W	Vgs (th), V	Package
КП784А	IRF9Z34	-60	0.14	-18.0	±20	88	-2.0...-4.0	TO-220
КП785А	IRF9540	-100	0.20	-19.0	±20	150	-2.0...-4.0	TO-220
КП796А <i>Under Development</i>	IRF9634	-250	1.0	-4.3	±20	74	-2.0...-4.0	TO-220