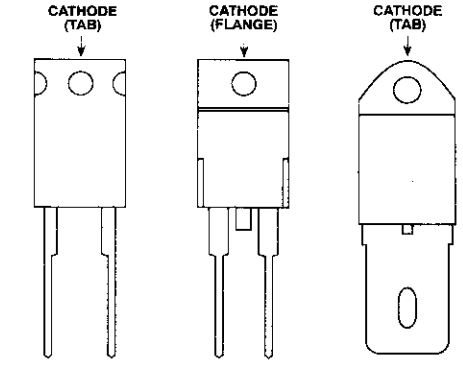
RUR Series

Supplied to RS by Harris Semiconductor

Ultrafast recovery diodes in industry standard plastic packages.
Applications include switch mode power supplies, uninterruptible power supplies, IGBT/MOSFET free wheel diodes.



technical specification

	V_{RRM}	$I_{F(AVE)}$	Max. t_{rr} at I_F=1A	Package
RUR 8[illegible]	600	8A	60ns	TO220
RUR[illegible]100	1000	8A	100ns	TO220
RUR 1560	600	15A	55ns	TO220
RUR 15100	1000	15A	100ns	TO220
RUR 3060	600	30A	55ns	TO220
RUR 30100	1000	30A	110ns	TO220
RURG 3060	600	30A	55ns	TO247
RURG 30100	1000	30A	110ns	TO247
RURG 5060	600	50A	65ns	TO247
RURG 50100	1000	50A	125ns	TO247
RURG 8060	600	80A	75ns	TO247
RURG 80100	1000	80A	125ns	TO247
RURU 8060	600	80A	75ns	TO218
RURU 80100	1000	80A	125ns	TO218

S.S.M. = 1

type	stock no.	price each 1-24	25-99	100+
RUR 860	298-960	£1·57	£0·94	£0·79
RUR 8100	298-976	£1·87	£1·12	£0·93
RUR 1560	298-982	£2·36	£1·42	£1·18
RUR 15100	298-998	£2·65	£1·59	£1·32
RUR 3060	299-008	£3·20	£1·92	£1·60
RUR 30100	299-014	£4·42	£2·65	£2·21
RURG 3060	299-020	£5·02	£3·01	£2·51
RURG 30100	299-036	£6·44	£3·86	£3·22
RURG 5060	299-042	£6·95	£4·17	£3·47
RURG 50100	299-058	£7·64	£4·58	£3·82
RURG 8060	299-064	£8·49	£5·09	£4·24
RU[illegible]80100	299-070	£9·75	£5·85	£4·88
RU[illegible]8060	299-086	£10·59	£6·35	£5·30
RURU 80100	299-092	£11·68	£7·00	£5·84

Signal

Signal diodes including silicon and silicon Schottky barrier types. Ideal for use in a wide range of low power applications including high speed switching, detectors, demodulators, mixers etc. See applications table for specific types.

Application table

type	application	L.	Dia.	Lead dia.
Silicon diffused				
1N4148(1N914)	High speed switch	5	2	0·56
BY206	Fast diode	5·2	2·7	0·86
Epitaxial planar				
BAW62	High speed logic	4·5	2	0·56
OA202	General purpose	4	2	0·56
Schottky barrier				
BA481	UHF mixers	5·6	1·6	0·55
BAT85	AM, FM and TV Detect/demod	5·6	1·6	0·55
5082-2800 (1N5711)	General purpose	4·3	1·9	0·4
5082-2811	General purpose	4·3	1·9	0·4
5082-2835	General purpose	4·3	1·9	0·4

technical specification

	V_{RRM}	$I_{F(AVE)}$	V_F	I_r
1N4148 (1N914)	75V	75mA	1V	10mA
BY206*	350V	400mA	1·5V	2A*
BAW62	75V	100mA	1V	100mA
OA202	150V	80mA	960mV	10mA
BA481	4V	30mA max.	400mV	1mA
BAT85	30V	200mA max.	400mV	10mA
5082-2800 (1N5711)	70V	15mA	410mV	1mA
5082-2811	15V	20mA	410mV	1mA
5082-2835	8V	10mA	340mV	1mA

* Note: Measured under pulse conditions to avoid excessive power dissipation.

S.S.M. = 1

type	stock no.	price each 1-24	25-99	100-499
5082-2811	271-729	£0·78	£0·67	£0·61

S.S.M. = 5

		5-20	25-95	100-495
BA481	300-962	£0·364	£0·30	£0·222
BAT85	300-978	£0·202	£0·162	£0·106
5802-2800 (1N5711)	271-713	£0·42	£0·384	£0·344
5082-2835	271-735	£0·29	£0·262	£0·236
OA202	109-258	£0·23	£0·184	£0·156
BY206	271-628	£0·256	£0·23	£0·21

S.S.M. = 10

		10-240	250-990	1000-4990
BAW62	271-684	£0·048	£0·032	£0·026
		10-240	250-990	1000-9990
1N4148 (1N914)	271-606	£0·019	£0·01	£0·008

Schottky Barrier

Power Tap

Supplied to RS by Motorola and General Instrument

Schottky barrier rectifiers designed for high efficiency rectification in switch mode power supplies, switching regulators etc. These devices function by majority carrier conduction and do not generate reverse recovery transients from stored charge and minority carrier injection. They may be considered as a perfect diode in parallel with a variable capacitance (equivalent to the junction capacitance), featuring a very fast recovery performance and a low forward voltage drop.
Ideal for improving the efficiency of switching circuits and minimising the power and voltage loss in high current low voltage systems i.e. battery supply lines.
Packages include: Axial, Power Tap, Stud, TO218 and TO220. Diode pairs have a common cathode connection.

technical specification

type	I_F(AVE)	V_{RRM}	V_F at	I_r	Case
SB130	1A	30V	0·5V	1A	Axial (A)
MBR150	1A	50V	0·75V	1A	Axial (B)
MBR160	1A	60V	0·75V	1A	Axial (B)
SB1100	1A	100V	0·79V	1A	Axial (A)
SB340	3A	40V	0·5V	3A	Axial (B)
MBR360	3A	60V	0·6V	3A	Axial (B)
SB3100	3A	100V	0·79V	3A	Axial (B)
SB530	5A	30V	0·45V	5A	Axial (B)
SB5100	5A	100V	0·79V	5A	Axial (B)
MBR1035	10A	35V	0·57V	10A	T0220
MBR1045	10A	45V	0·57V	10A	T0220
MBR1060	10A	60V	0·70V	10A	T0220
MBR10100	10A	100V	0·8V	10A	T0220
MBR1635	16A	35V	0·56V	16A	T0220
MBR1645	16A	45V	0·57V	16A	T0220
MBR20100	20A (pair)	100V	0·95V	20A	T0220
MBR3535	30A	30V	0·64V	30A	Stud
MBR3045PT	30A (pair)	35V	0·72V	30A	T0218
MBR2545CT	30A (pair)	45V	0·73V	30A	T0220
MBR12060CT	120A (pair)	60V	0·68V	220A	Power tap
MBR30045CT	300A (pair)	45V	0·62V	300A	Power tap
MBR30060CT	300A (pair)	60V	0·78V	300A	Power tap

packages	lead length	x	diameter
Axial (A)	27·7		0·86
Axial (B)	30		1·32
Power tap	L. 92·2	W. 20·3	D. 15·9
Stud	body l. 10·3	tag l. 10·5	stud size 10-32 UNF

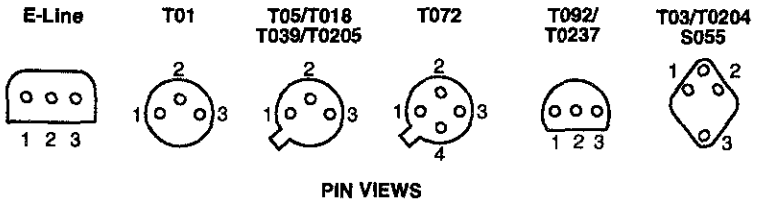
S.S.M. = 1

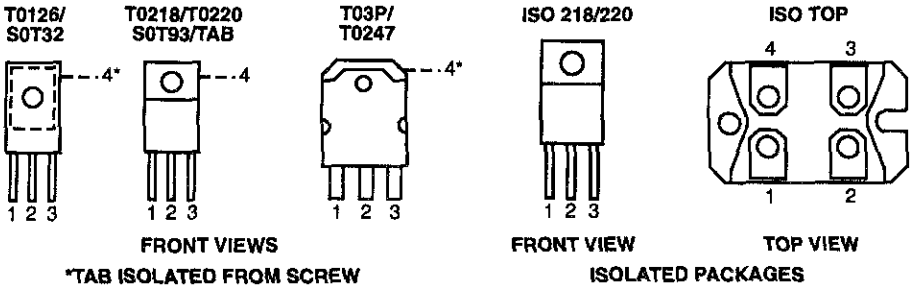
type	stock no.	price each 1-24	25-99	100-499
SB130	657-117	£0·46	£0·42	£0·29
MBR150	642-216	£1·09	£0·66	£0·52
MBR160	642-222	£0·98	£0·59	£0·48
		1-24	25-99	100+
SB1100	■296-807	£0·37	£0·31	£0·26
		1-24	25-99	100-499
SB340	657-123	£0·98	£0·89	£0·61
MBR360	642-244	£1·07	£0·81	£0·65
		1-24	25-99	100+
SB3100	■296-813	£0·55	£0·46	£0·39
		1-24	25-99	100-499
SB530	657-101	£2·44	£2·20	£2·00
		1-24	25-99	100+
SB5100	■296-829	£1·02	£0·85	£0·71
		1-24	25-99	100-499
MBR1035	657-139	£3·10	£2·70	£2·52
MBR1045	642-250	£1·97	£1·19	£0·94
MBR1060	641-465	£2·07	£1·24	£1·00
		1-24	25-99	100+
MBR10100	■296-835	£1·17	£0·98	£0·82
		1-24	25-99	100-499
MBR1635	657-145	£3·50	£3·15	£3·01
MBR1645	641-471	£2·16	£1·30	£1·04
		1-24	25-99	100+
MBR20100	■296-841	£1·82	£1·52	£1·27
		1-24	25-99	100-499
MBR2545CT	641-487	£2·62	£1·97	£1·58
MBR3045PT	641-493	£4·61	£2·77	£2·22
MBR3535	657-353	£9·30	£5·10	£3·06
MBR30045CT	641-538	£34·63	£26·03	£23·02
MBR30060CT	641-544	£45·91	£34·46	£31·21

Symbol Guide

- Ⓢ **This product may be repaired at a set charge - see conditions of sale/servicing.**
- Ⓒ **This product may be recalibrated at a fixed charge and supplied with a calibration certificate.**
- ◊ **Chemical products not available for Datapost despatch.**
- ■ **Product will be discontinued when stocks run out.**
- ● **Product is subject to design modification in the near future.**
- ⅋ **Not available at Trade Counters.**
- Ⓩ **Product is Zero rated for VAT.**
- ⚠ **Not available for Datapost despatch.**
- Ⓛ **Licensed software.**

BIPOLAR Transistor Tables





BIPOLAR Transistors Pinout Data

	1	2	3	4
A	Base	Collector	Emitter	–
B	Base	Emitter	Collector	–
C	Emitter	Base	Collector	–
D	Collector	Base	Emitter	–
E	Base	Collector	Emitter	Collector
F	Emitter	Base 1	Collector	Base 2
G	Base	Emitter	Collector	Case
H	Emitter	Base	Collector	Case
I	Emitter	Collector	Base	Collector

Table 1 NPN Small Signal

type	package/pinout	I_c (max.)		P_d (max.)		V_{ce} (max.)	V_{ceo} (max.)	hfe (min.-max.) @	I_c	V_{ce}	f_t (typ.)	complement	application
BC108	T018	C	100mA	300mW	Ta = 25°C	20V	30V	110-800	2mA	5V	300MHz	BC178	General purpose
BC109	T018	C	100mA	300mW	Ta = 25°C	20V	30V	200-800	2mA	5V	300MHz	BC179	Low noise audio
BC183L	T092	A	100mA	350mW	Ta = 25°C	30V	45V	120-800	2mA	5V	150MHz (min.)	BC213L	General purpose
BC184L	T092	A	100mA	350mW	Ta = 25°C	30V	45V	250-800	2mA	5V	150MHz (min.)	BC214L	Low noise audio
BC548	T092	C	100mA	625mW	Ta = 25°C	30V	30V	110-800	2mA	5V	300MHz	BC558	Amplifier
BC549	T092	C	100mA	625mW	Ta = 25°C	30V	30V	110-800	2mA	5V	250MHz	BC559	Low noise audio
BC107	T018	C	100mA	300mW	Ta = 25°C	45V	50V	110-450	2mA	5V	300MHz	BC177	Audio driver
BC237B	T092	C	100mA	350mW	Ta = 25°C	45V	–	180-460	2mA	2V	100MHz (min.)	BC307B	Amplifier
BC547	T092	C	100mA	625mW	Ta = 25°C	45V	50V	110-800	2mA	5V	300MHz	BC557	Amplifier
BC182L	T092	A	100mA	350mW	Ta = 25°C	50V	60V	120-500	2mA	5V	150MHz (min.)	BC212L	General purpose
BC546	T092	C	100mA	625mW	Ta = 25°C	65V	80V	125-500	2mA	5V	300MHz	BC556	Amplifier
BF259	T039	C	100mA	5·0W	Tc = 50°C	300V	300V	25 (min.)	30mA	10V	90MHz	–	High voltage video amplifier
2N2369A	T018	C	200mA	360mW	Ta = 25°C	15V	40V	20 (min.)	100mA	1V	500MHz (min.)	–	HF amp & high speed switch
2N3903	T092	D	200mA	350mW	Ta = 25°C	40V	60V	50-150	10mA	1V	250MHz (min.)	–	General purpose
2N3904	T092	D	200mA	350mW	Ta = 25°C	40V	60V	100-300	10mA	1V	300MHz (min.)	2N3906	Switching
ZTX313	E-Line	D	500mA	300mW	Ta = 25°C	15V	40V	40-120	10mA	1V	500MHz (min.)	–	High speed switch
ZTX314	E-Line	D	500mA	300mW	Ta = 25°C	15V	40V	40-120	10mA	1V	500MHz	–	Switching, low saturation
ZTX300	E-Line	D	500mA	300mW	Ta = 25°C	25V	25V	50-300	10mA	6V	150MHz	ZTX500	General purpose
2N3705	T092	A	500mA	360mW	Ta = 25°C	30V	50V	50-150	50mA	2V	100MHz	2N3708	General purpose
ZTX302	E-Line	D	500mA	300mW	Ta = 25°C	35V	35V	100 (min.)	10mA	6V	150MHz	ZTX502	Small signal amplifier
BC337	T092	C	500mA	625mW	Ta = 25°C	45V	50V	100-600	100mA	1V	100MHz	BC327	Audio driver
2N1711	T039	D	500mA	800mW	Ta = 25°C	50V	75V	100-300	150mA	10V	300MHz	–	General purpose
MPSA42	T092	D	500mA	625mW	Ta = 25°C	300V	300V	40 (min.)	30mA	10V	50MHz	MPSA92	General purpose high voltage
2N4400	T092	D	600mA	350mW	Ta = 25°C	40V	60V	50-150	150mA	2V	200MHz (max.)	2N4402	General purpose
2N4401	T092	D	600mA	350mW	Ta = 25°C	40V	60V	100-300	150mA	2V	250MHz (max.)	2N4403	General purpose
2N3053	T039	C	700mA	5·0W	Tc = 25°C	40V	60V	50-250	150mA	10V	100MHz	–	General purpose
2N3704	T092	A	800mA	360mW	Ta = 25°C	30V	50V	100-300	50mA	2V	100MHz (min.)	2N3702	General purpose
2N2222A	T018	C	800mA	500mW	Ta = 25°C	40V	75V	100-300	150mA	10V	300MHz	–	General purpose high speed switch
2N2219A	T039	C	800mA	800mW	Ta = 25°C	40V	75V	100-300	150mA	10V	300MHz (min.)	–	General purpose high speed switch
BFY52	T039	C	1·0A	800mW	Ta = 25°C	20V	40V	60 (min.)	150mA	10V	50MHz (min.)	–	General purpose
BFY51	T039	C	1·0A	800mW	Ta = 25°C	30V	60V	40 (min.)	150mA	10V	50MHz (min.)	–	General purpose
BFY50	T039	C	1·0A	800mW	Ta = 25°C	35V	80V	30 (min.)	150mA	10V	60MHz (min.)	–	General purpose
ZTX450	E-Line	D	1·0A	1·0W	Ta = 25°C	45V	60V	100-300	150mA	10V	150MHz (min.)	–	General purpose
ZTX451	E-Line	D	1·0A	1·0W	Ta = 25°C	60V	80V	50-150	150mA	10V	150MHz	ZTX651	Switching
BFX85	T039	C	1·0A	800mW	Ta = 25°C	60V	100V	70 (min.)	150mA	10V	50MHz	–	General purpose
BC142	T039	C	1·0A	800mW	Ta = 25°C	60V	80V	20-60	200mA	2V	80MHz	BC143	Audio driver
2N3019	T039	C	1·0A	800mW	Ta = 25°C	80V	140V	90 (min.)	10mA	10V	100MHz (min.)	–	General purpose
ZTX453	E-Line	D	1·0A	2·0W	Tc = 25°C	100V	120V	40-200	150mA	10V	150MHz (min.)	–	General purpose amp & switch
2N3440	T039	C	1·0A	1·0W	Ta = 25°C	250V	300V	40-160	20mA	10V	15MHz (min.)	–	General purpose
ZTX650	E-Line	D	2·0A	1·0W	Ta = 25°C	45V	60V	100-300	500mA	2V	175MHz	ZTX750	Audio amplifiers
ZTX689B	E-Line	D	2·0A	1·0W	Ta = 25°C	20V	20V	400 (min.)	2·0A	2V	150MHz	–	High gain high current
ZTX690B	E-Line	D	2·0A	1·0W	Ta = 25°C	45V	45V	500	100mA	2V	150MHz	ZTX790	Motor drives
BC441	T039	C	2·0A	1·0W	Ta = 25°C	60V	70V	40-250	500mA	4V	50MHz (min.)	BC461	General purpose
TIPP31	T092	A	2·0A	800mW	Tc = 25°C	40V	40V	20 (min.)	1·0A	4V	–	TIPP32	Power switch
TIPP31A	T092	A	2·0A	800mW	Tc = 25°C	60V	60V	20 (min.)	1·0A	4V	–	TIPP32A	Power switch
TIPP31B	T092	A	2·0A	800mW	Tc = 25°C	80V	80V	20 (min.)	1·0A	4V	–	TIPP32B	Power switch
TIPP31C	T092	A	2·0A	800mW	Tc = 25°C	100V	100V	20 (min.)	1·0A	4V	–	TIPP32C	Power switch
ZTX651	E-Line	D	2·0A	1·0W	Ta = 25°C	60V	80V	100-300	500mA	2V	175MHz	ZTX751	General purpose high current
ZTX653	E-Line	D	2·0A	1·0W	Ta = 25°C	100V	120V	100-300	500mA	2V	175MHz	ZTX753	General purpose high current
ZTX853	E-Line	D	4·0A	1·2W	Ta = 25°C	100V	200V	100-300	2·0A	2V	130MHz	ZTX953	Switching
ZTX851	E-Line	D	5·0A	1·2W	Ta = 25°C	60V	150V	100-300	2·0A	1V	130MHz	ZTX951	Switching
SM3181	T092	A	5·0A	1·0W	Ta = 25°C	15V	40V	100 (min.)	3·0A	1V	150MHz	–	Low saturation
SM2283	T092	A	8·0A	1·0W	Ta = 25°C	25V	75V	100-500	3·0A	1V	100MHz	–	General purpose power
BUY82	T039	C	10·0A	30W	Tc = 25°C	80V	150V	40 (min.)	1·5A	5V	60MHz	–	High power switching

Table 13 MOS Power, Low Voltage

type	pol	package/pinout		I_D (max)	$R_{DS}(on)$ (max)	P_D (max)		V_{DGR} (max) (R = 1MΩ)	V_{DS} (max)	$V_{GS}(th)$ (max)	I_{DSS} (max)	I_{GSS} (max)	t_r (max)	t_f (max)	g_{fs} (min)
VN88AFD	N	TO220	I	1·29A	4Ω	15W	(Tc = 25°C)	80V	80V	2·5V	10µA	±100nA	15ns	15ns	170mS
VN46AFD	N	TO220	I	1·46A	3Ω	15W	(Tc = 25°C)	40V	40V	2·5V	10µA	±100nA	15nS	15nS	170mS
VN66AFD	N	TO220	I	1·46A	3Ω	15W	(Tc = 25°C)	60V	60V	2·5V	10µA	±100nA	15ns	15ns	170mS
RFP2N10L	N	TO220	G	2·0A	1·05Ω	25W	(Tc = 25°C)	100V	100V	2V	1µA	±100nA	45ns	25ns	800mS
RFP2N15L	N	TO220	G	2·0A	1·75Ω	25W	(Tc = 25°C)	150V	150V	2V	1µA	±100nA	45ns	25ns	800mS
IRF610	N	TO220	G	2·5A	1·5Ω	20W	(Tc = 25°C)	–	200V	4V	250µA	±500nA	25ns	15ns	800mS
IRF511	N	TO220	G	4·0A	0·6Ω	20W	(Tc = 25°C)	60V	60V	4V	250µA	±500nA	25ns	20ns	1S
IRF510	N	TO220	G	4·0A	0·6Ω	20W	(Tc = 25°C)	100V	100V	4V	250µA	±500nA	25ns	20ns	1S
IRF621	N	TO220	G	5·0A	0·8Ω	40W	(Tc = 25°C)	150V	150V	4V	250µA	±500nA	60ns	60ns	1·3S
IRF620	N	TO220	G	5·0A	0·8Ω	40W	(Tc = 25°C)	200V	200V	4V	250µA	±500nA	60ns	60ns	1·3S
BUZ73L	N	TO220	G	7·0A	0·4Ω	40W	(Tc = 25°C)	–	200V	2·5V	1µA	100nA	90ns	50ns	5S
2SK135	N	TO3	A	7·0A	–	100W	(Tc = 25°C)	–	160V	–	–	–	–	–	700mS
BUZ900	N	TO3	A	8·0A	1·5Ω	125W	(Tc = 25°C)	–	160V	1·5V*	–	–	120ns	60ns	0·7S
BUZ900P	N	TO247	N	8·0A	1·5Ω	125W	(Tc = 25°C)	–	160V	1·5V*	–	–	120ns	60ns	0·7S
BUZ901	N	TO3	A	8·0A	1·5Ω	125W	(Tc = 25°C)	–	200V	1·5V*	–	–	120ns	60ns	0·7S
BUZ901P	N	TO247	N	8·0A	1·5Ω	125W	(Tc = 25°C)	–	200V	1·5V*	–	–	120ns	60ns	0·7S
IRF520	N	TO220	G	8·0A	0·3Ω	40W	(Tc = 25°C)	100V	100V	4V	250µA	±500nA	70ns	70ns	1·5S
IRF120	N	TO3	B	8·0A	0·3Ω	40W	(Tc = 25°C)	100V	100V	4V	250µA	±100nA	70ns	70ns	1·5S
2SK413	N	TO3P	G	8·0A	0·5Ω	100W	(Tc = 25°C)	–	140V	–	1mA	±1µA	35ns	50ns	1S
2SK176	N	TO3	A	8·0A	–	125W	(Tc = 25°C)	–	200V	–	–	–	–	–	700mS
BUK454-200B	N	TO220	G	8·2A	0·5Ω	90W	(Tc = 25°C)	200V	200V	4V	10µA	±100nA	70ns	60ns	3·5S
IRF630	N	TO220	G	9·0A	0·4Ω	75W	(Tc = 25°C)	200V	200V	4V	250µA	±500nA	50ns	40ns	3S
BUZ232	N	TO220	G	9·5A	0·4Ω	75W	(Tc = 25°C)	–	200V	4V	1µA	100nA	60ns	40ns	3S
BUZ72L	N	TO220	G	10·0A	0·2Ω	40W	(Tc = 25°C)	–	100V	2·5V	1µA	100nA	130ns	70ns	5S
MTP10N10	N	TO220	G	10·0A	0·33Ω	75W	(Tc = 25°C)	100V	100V	4·5V	10µA	±100nA	150ns	50ns	2·5S
MTP10N10M	N	TO220	–	10·0A	0·25Ω	75W	(Tc = 25°C)	100V	100V	4·5V	200µA	+100nA	150ns	50ns	2·5S
RFP10N12	N	TO220	G	10·0A	0·3Ω	60W	(Tc = 25°C)	120V	120V	4V	1µA	+100nA	250ns	135ns	2S
RFP10N15L	N	TO220	G	10·0A	0·3Ω	60W	(Tc = 25°C)	150V	150V	2V	1µA	±100nA	135ns	135ns	4S
MTP3055E	N	TO220	G	12·0A	0·15Ω	40W	(Tc = 25°C)	60V	60V	4·5V	10µA	±100nA	60ns	65ns	4S
RFP12N10L	N	TO220	G	12·0A	0·2Ω	60W	(Tc = 25°C)	100V	100V	2V	1µA	±100nA	150ns	150ns	4S
BUK553-100B	N	TO220	G	12·0A	0·22Ω	75W	(Tc = 25°C)	100V	100V	2V	10µA	±100nA	60ns	55ns	6S
RFM12N35	N	TO3	B	12·0A	0·5Ω	150W	(Tc = 25°C)	350V	350V	4V	1µA	±100nA	200ns	150ns	4S
BUZ255	N	TO220	G	13·0A	0·24Ω	95W	(Tc = 25°C)	–	250V	4V	1µA	100nA	90ns	80ns	5S
BUZ31L	N	TO220	G	13·5A	0·2Ω	75W	(Tc = 25°C)	–	200V	2·5V	1µA	100nA	70ns	80ns	5S
BUK456-200A	N	TO220	G	14·0A	0·23Ω	125W	(Tc = 25°C)	200V	200V	4V	10µA	±100nA	60ns	50ns	6S
IRF531	N	TO220	G	14·0A	0·18Ω	75W	(Tc = 25°C)	60V	60V	4V	250µA	±500nA	75ns	45ns	4S
BUZ71	N	TO220	G	14·0A	0·10Ω	40W	(Tc = 25°C)	–	50V	4V	1µA	100nA	60ns	55ns	4S
BUZ271L	N	TO220	G	14·0A	0·1Ω	40W	(Tc = 25°C)	–	50V	2·5V	1µA	100nA	100ns	70ns	5S
IRF130	N	TO3	B	14·0A	0·18Ω	75W	(Tc = 25°C)	100V	100V	4V	250µA	±100nA	75ns	45ns	4S
IRF530*	N	TO220	G	14·0A	0·18Ω	75W	(Tc = 25°C)	100V	100V	4V	250µA	+500nA	75ns	45ns	4S
RFM15N05	N	TO3	B	15·0A	0·14Ω	75W	(Tc = 25°C)	50V	50V	4V	1µA	±100nA	175ns	140ns	2S
RFP15N05L	N	TO220	G	15·0A	0·14Ω	60W	(Tc = 25°C)	50V	50V	2V	1µA	±100nA	325ns	325ns	4S
RFP15N06L	N	TO220	G	15·0A	0·14Ω	60W	(Tc = 25°C)	60V	60V	2V	1µA	±100nA	325ns	325ns	4S
MTH15N20	N	TO218	G	15·0A	0·16Ω	150W	(Tc = 25°C)	200V	200V	4·5V	10µA	±100nA	300ns	250ns	4S
IRF643	N	TO220	G	16·0A	0·22Ω	125W	(Tc = 25°C)	150V	150V	4V	250µA	±500nA	60ns	60ns	6S
BUZ900D	N	TO3	A	16·0A	0·75Ω	250W	(Tc = 25°C)	–	160V	1·5V	–	–	160ns	80ns	0·7S
BUZ901D	N	TO3	A	16·0A	0·75Ω	250W	(Tc = 25°C)	–	200V	1·5V*	–	–	160ns	80ns	0·7S
BUK466-200B	N	TO220	G	17·0A	0·2Ω	150W	(Tc = 25°C)	200V	200V	4V	10µA	±100nA	60ns	70ns	12S
IRF640	N	TO220	G	18·0A	0·18Ω	125W	(Tc = 25°C)	200V	200V	4V	250µA	±500nA	60ns	60ns	6S
BUK553-60B	N	TO220	G	20·0A	0·1Ω	75W	(Tc = 25°C)	60V	60V	2V	10µA	+100nA	120ns	85ns	7S
BUZ30A	N	TO220	G	21·0A	0·13Ω	125W	(Tc = 25°C)	–	200V	4·4V	1µA	100nA	110ns	120ns	6S
BUZ21L	N	TO220	G	21·0A	0·085Ω	75W	(Tc = 25°C)	–	100V	2·5V	1µA	100nA	170ns	130ns	8S
BUK453-60A	N	TO220	G	22·0A	0·08Ω	75W	(Tc = 25°C)	60V	60V	4V	10µA	±100nA	55ns	80ns	4·5
BUK555-100B	N	TO220	G	22·0A	0·11Ω	125W	(Tc = 25°C)	100V	100V	2V	10µA	±100nA	85ns	110ns	10
BUZ10	N	TO220	G	23·0A	0·07Ω	75W	(Tc = 25°C)	–	50V	4V	1µA	100nA	65ns	75ns	7S
BUZ10L	N	TO220	G	23·0A	0·07Ω	75W	(Tc = 25°C)	–	50V	2·5V	1µA	100nA	120ns	95ns	8S
NDP505A	N	TO220	A	26·0A	0·05Ω	60W	(Tc = 25°C)	50V	50V	4V	250µA	100nA	100ns	80ns	6S
IRF540*	N	TO220	G	27·0A	0·085Ω	125W	(Tc = 25°C)	–	100V	4V	250µA	±500nA	60ns	30ns	6S
BUZ11*	N	TO220	G	30·0A	0·04Ω	75W	(Tc = 25°C)	50V	50V	4V	250µA	±100nA	110ns	170ns	4S
SMP30N10	N	TO220	G	30·0A	0·06Ω	100W	(Tc = 25°C)	–	100V	4V	25µA	±100nA	120ns	30ns	7S
BUZ341	N	TO218	G	33·0A	0·07Ω	170W	(Tc = 25°C)	–	200V	4·4V	1µA	100nA	170ns	240ns	15S
IRFP250	N	TO247	G	33·0A	0·187Ω	180W	(Tc = 25°C)	–	200V	4V	250µA	+500mA	180ns	120ns	8S
BUZ22	N	TO220	G	34·0A	0·055Ω	125W	(Tc = 25°C)	–	100V	4V	1µA	100nA	120ns	160ns	10S
BUK555-60B	N	TO220	G	35·0A	0·055Ω	125W	(Tc = 25°C)	60V	60V	2V	10µA	±100nA	150ns	145ns	15S
SMP40N10	N	TO220	G	40·0A	0·04Ω	125W	(Tc = 25°C)	–	100V	4V	25µA	±100nA	120ns	40ns	15S
BUK465-60A	N	TO220	G	41·0A	0·038Ω	125W	(Tc = 25°C)	60V	60V	4V	10µA	±100nA	90ns	130ns	8S
BUZ12AL	N	TO220	G	41·0A	0·035Ω	125W	(Tc = 25°C)	–	50V	2·5V	1µA	100nA	240ns	200ns	16S
SMM40N20	N	TO3	B	40·0A	0·14Ω	250W	(Tc = 25°C)	–	200V	4·0V	250µA	±100nA	85ns	80ns	8S
BUZ12	N	TO220	G	42·0A	0·028Ω	125W	(Tc = 25°C)	–	50V	4V	1µA	100nA	130ns	180ns	12S
SMW45N10	N	TO247	G	45·0A	0·072Ω	150W	(Tc = 25°C)	–	100V	4·0V	250µA	+100nA	120ns	40ns	15S
NDP605A	N	TO220	A	48·0A	0·025Ω	100W	(Tc = 25°C)	50V	50V	4V	250µA	100nA	120ns	100ns	10S
MTM55N10	N	TO3	B	55·0A	0·04Ω	250W	(Tc = 25°C)	100V	100V	4·5V	10µA	±100nA	350ns	400ns	10S
BUZ100	N	TO220	G	58·0A	0·018Ω	250W	(Tc = 25°C)	–	50V	4V	1µA	100nA	150ns	190ns	25S
BUZ346	N	TO218	G	58·0A	0·018Ω	170W	(Tc = 25°C)	–	50V	4V	1µA	100nA	210ns	330ns	30S
SMP60N06	N	TO220	G	60·0A	0·03Ω	125W	(Tc = 25°C)	–	60V	4·0V	250µA	±100nA	50ns	40ns	15S
SMP60N06-18	N	TO220	G	60·0A	0·018Ω	105W	(Tc = 25°C)	–	60V	4V	25µA	+500nA	35ns	30ns	15S
RFP70N03	N	TO220	A	70·0A	0·010Ω	150W	(Tc = 25°C)	30V	30V	4V	1µA	100nA	–	–	–
RFP70N06	N	TO220	A	70·0A	0·014Ω	150W	(Tc = 25°C)	60V	60V	4V	1µA	100nA	–	–	–
SMW60N10	N	TO247	G	60·0A	0·025Ω	180W	(Tc = 25°C)	–	100V	4V	25µA	±100nA	180ns	40ns	20S
SMM70N06	N	TO3	B	70·0A	0·027Ω	250W	(Tc = 25°C)	–	60V	4·0V	250µA	±100nA	60ns	45ns	20S
SMW70N06-14	N	TO247	G	70·0A	0·014Ω	150W	(Tc = 25°C)	–	60V	4V	25µA	±500nA	180ns	50ns	30S
NDP705A	N	TO220	A	75·0A	0·015Ω	150W	(Tc = 25°C)	50V	50V	4V	250µA	100nA	150ns	120ns	15S
IRF9620	P	TO220	G	-3·5A	1·5Ω	40W	(Tc = 25°C)	–	-200V	-4V	-250µA	±500nA	50ns	40ns	1S
IRF9520	P	TO220	G	-6·0A	0·6Ω	40W	(Tc = 25°C)	–	-100V	-4V	-250µA	±500nA	100ns	100ns	900mS
IRF9630	P	TO220	G	-6·5A	0·8Ω	75W	(Tc = 25°C)	–	-200V	-4V	-250µA	±500nA	100ns	80ns	2·2S
2SJ50	P	TO3	A	-7·0A	–	100W	(Tc = 25°C)	–	-160V	–	–	–	–	–	700mS
BUZ905	P	TO3	A	-8·0A	1·5Ω	125W	(Tc = 25°C)	–	-160V	-1·5V*	–	–	120ns	60ns	0·7S
BUZ905P	P	TO247	N	-8·0A	1·5Ω	125W	(Tc = 25°C)	–	-160V	-1·5V*	–	–	120ns	60ns	0·7S
BUZ906	P	TO3	A	-8·0A	1·5Ω	125W	(Tc = 25°C)	–	-200V	-1·5V*	–	–	120ns	60ns	0·7S

* Also available in isolated package