

SCHOTTKY RECTIFIERS

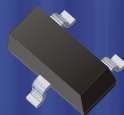
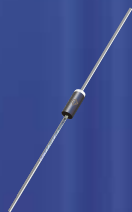
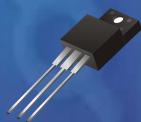
$I_{F(AV)}$ (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	I_F (A)
1.0	1N17- 1N19	R1	20 - 40	0.45 - 0.60	1.0
	1N5817- 1N5819	DO41	20 - 40	0.45 - 0.60	1.0
	LS12- LS14	SMA	20 - 40	0.395	1.0
	LS12F- LS14F	Thin SMA	20 - 40	0.38 - 0.40	1.0
	LS12M- LS14M	SOD123	20 - 40	0.38 - 0.40	1.0
	MBR0520- MBR0560	SOD123	20 - 60	0.55 - 0.7	1.0
	MSS12-MSS16	SOD123	20 - 60	0.55 - 0.7	1.0
	SB120- SB160	DO41	20 - 60	0.48 - 0.65	1.0
	SB190- SB1100	DO41	90 - 100	0.85	1.0
	SK12B- SK16B	SMB	20 - 60	0.50 - 0.75	1.0
	SK12F- SK14F	Thin SMA	20 - 40	0.45 - 0.60	1.0
	SM105- SM110	MELF	50 - 100	0.70 - 0.79	1.0
	SM5817- SM5819	MELF	20 - 40	0.45-0.60	1.0
	SS110	SMA	100	0.85	1.0
	SS12- SS16	SMA	20 - 60	0.50 - 0.75	1.0
	SS12F- SS16F	Thin SMA	20 - 60	0.50 - 0.70	1.0
	SS12M- SS16M	SOD123	20 - 60	0.50 - 0.70	1.0
	SS19F- SS110F	Thin SMA	90 - 100	0.85	1.0
	SS19M- SS110M	SOD123	90 - 100	0.85	1.0
1.5	BYS1190	SMA	90	0.75	1.5
2.0	LS22A- LS24A	SMA	20 - 40	0.45	2.0
	LS22F- LS24F	Thin SMA	20 - 40	0.38-0.40	2.0
	SB220- SB260	DO15	20 - 60	0.50 - 0.68	2.0
	SB290- SB2100	DO15	90 - 100	0.85	2.0
	SK22A- SK26A	SMA	20 - 60	0.50 - 0.70	2.0
	SK22FA- SK26FA	Thin SMA	20 - 60	0.50 - 0.70	2.0
	SK29FA- SK210FA	Thin SMA	90 - 100	0.85	2.0
	SS22- SS26	SMB	20 - 60	0.50 - 0.70	2.0
	SS22M- SS26M	SOD123	20 - 60	0.50 - 0.70	2.0

SCHOTTKY RECTIFIERS

$I_{F(AV)}$ (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	I_F (A)
2.0	SS29-SS210	SMB	90 - 100	0.85	2.0
	SS29M-SS210M	SOD123	90 - 100	0.85	2.0
3.0	1N5820-1N5822	DO201AD	20 - 40	0.475 - 0.525	3.0
	LS32A-LS34A	SMA	20 - 40	0.45	3.0
	LS32F-LS34F	Thin SMC	20 - 40	0.38 - 0.40	3.0
	SB320-SB360	DO201AD	20 - 60	0.49 - 0.68	3.0
	SB390-SB3100	DO201AD	90 - 100	0.85	3.0
	SK32A-SK36A	SMA	20 - 60	0.55 - 0.75	3.0
	SK32B-SK36B	SMB	20 - 60	0.50 - 0.70	3.0
	SK39B	SMB	90	0.85	3.0
	SS32-SS36	SMC	20 - 60	0.50 - 0.75	3.0
	SS32F-SS36F	Thin SMC	20 - 60	0.50 - 0.75	3.0
	SS32FA-SS36FA	Thin SMA	20 - 60	0.50 - 0.75	3.0
	SS39F-SS310F	Thin SMC	90 - 100	0.85	3.0
	SS39FA-SS310FA	Thin SMA	90 - 100	0.85	3.0
	SS39FA-SS310FA	Thin SMA	90 - 100	0.85	3.0
5.0	MBRF520-MBRF560	ITO220AC	20 - 60	0.55 - 0.70	5.0
	MBRF520CT-MBRF560CT	ITO220AB	20 - 60	0.55 - 0.70	5.0
	MBRF590-MBRF5100	ITO220AC	90 - 100	0.80	5.0
	MBRF590CT-MBRF5100CT	ITO220AB	90 - 100	0.80	5.0
	SB520-SB560	DO201AD	20 - 60	0.48 - 0.65	5.0
	SB590-SB5100	DO201AD	90 - 100	0.85	5.0
	SK52B-SK56B	SMB	20 - 60	0.55 - 0.70	5.0
	SS52-SS56	SMC	20 - 60	0.55 - 0.70	5.0
	SS52F-SS56F	Thin SMC	20 - 60	0.55 - 0.70	5.0
	SS59F-SS510F	Thin SMC	90 - 100	0.85	5.0
7.5	MBR735-MBR760	TO220AC	35 - 60	0.57 - 0.75	7.5
	MBRB735-MBRB760	TO263AB (D ² PAK)	35 - 60	0.57 - 0.75	7.5
	MBRF735-MBRF760	ITO220AC	35 - 60	0.57 - 0.75	7.5
8.0	SB820-SB860	DO201AD	20 - 60	0.62 - 0.80	8.0

SCHOTTKY RECTIFIERS

I_F (AV) (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	I_F (A)
10	MBR1035- MBR10100	TO220AC	35 - 100	0.57 - 0.80	10
	MBR1035- MBR1060CT	TO220AB	35 - 60	0.57 - 0.80	10
	MBRB1035- MBRB10100	TO263AB (D ² PAK)	35 - 100	0.57 - 0.80	10
	MBRF1035- MBRF10100	ITO220AC	35 - 100	0.57 - 0.80	10
	MBRF1035CT- MBRF10100CT	ITO220AB	35 - 100	0.57 - 0.85	10
16	MBRF1635CT- MBRF16100CT	ITO220AB	35 - 100	0.60 - 0.85	16
20	MBR2035CT- MBR20100CT	TO220AB	35 - 100	0.57 - 0.80	20
	MBRB2035CT- MBRB20100CT	TO263AB (D ² PAK)	35 - 100	0.57 - 0.80	20
	MBRF2035CT- MBRF20100CT	ITO220AB	35 - 100	0.57 - 0.80	20
30	MBR3035PT- MBR3060PT	TO3P	35 - 60	0.60 - 0.75	30
40	MBR4035PT- MBR4060PT	TO3P	35 - 60	0.70 - 0.72	40
	SBL40L15PT	TO3P	15	0.52	40
60	MBR6035PT- MBR6060PT	TO3P	35 - 60	0.65 - 0.75	60



ULTRAFAST RECTIFIERS

$I_{F(AV)}$ (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	I_F (A)	T_{rr} (ns)
0.6	UG06x	R1	50 - 200	0.95	0.6	15
1.0	11DF1 - 11DF4	DO41	100 - 400	0.98 - 1.25	1.0	25
	11DF5 - 11DF6	DO41	500 - 600	1.85	1.0	25
	11DF8	DO41	800	2.8	1.0	25
	BYV26xG	DO15	800 - 1000	2.5	1.0	75
	ES1	SMA	50 - 1000	0.92 - 1.75	1.0	15 - 25
	ES1xF	Thin SMA	50 - 1000	1.0 - 1.7	1.0	50 - 75
	ES1xM	SOD123	50 - 1000	1.0 - 1.7	1.0	50 - 75
	HER10x	DO41	50 - 1000	1.3 - 1.7	1.0	50 - 75
	HER10xG	DO41	50 - 1000	1.3 - 1.7	1.0	50 - 75
	MUR120	DO15	200	0.875	1.0	25
	MUR140 - MUR160	DO15	400 - 600	1.25	1.0	50
	MURS1x	SMA	200 - 600	0.875 - 1.25	1.0	25 - 50
	SBYV26C	DO41	600	2.5	1.0	30
	SF11 - SF18	DO41	50 - 600	0.95 - 1.7	1.0	35
	SF11G - SF18G	DO41	50 - 600	0.95 - 1.7	1.0	35
	SFS1x	SMA	50 - 600	0.95 - 1.85	1.0	35
	UF400x	DO41	50 - 1000	1.0 - 1.7	1.0	50 - 75
	UF400xG	DO41	50 - 1000	1.3 - 1.7	1.0	50 - 75
	UG1x	DO41	50 - 200	0.95	1.0	15
	US1x	SMA	50 - 1000	1.0 - 1.7	1.0	50 - 75
	US1xF	Thin SMA	50 - 400	0.95 - 1.25	1.0	35
	US1xM	SOD123	50 - 400	0.95 - 1.25	1.0	35
1.5	HER15x	DO15	50 - 1000	1.3 - 1.7	1.5	50 - 75
	HER15xG	DO15	50 - 1000	1.3 - 1.7	1.5	50 - 75
2.0	21DF1 - 21DF4	DO15	100 - 400	0.98 - 1.25	2.0	25
	21DF5 - 21DF6	DO15	500 - 600	1.85	2.0	25
	21DF8	DO15	800	2.8	2.0	25
	EK2xFA	Thin SMA	50 - 1000	1.0 - 1.7	2.0	50 - 75
	ES2	SMB	50 - 600	0.9 - 1.75	2.0	20 - 35



ULTRAFAST RECTIFIERS

$I_{F(AV)}$ (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	I_F (A)	T_{rr} (ns)
2.0	HER20x	DO15	50 - 1000	1.3 - 1.7	2.0	50 - 75
	HER20xG	DO15	50 - 1000	1.3 - 1.7	2.0	50 - 75
	MURS2A- MURS2D	SMB	50 - 200	0.94	2.0	20
	MURS2G- MURS2J	SMB	400 - 600	1.45	2.0	50
	SBYV27	DO15	50 - 200	1.07	2.0	15
	SF21 - SF28	DO15	50 - 600	0.95 - 1.7	2.0	35
	SF21G- SF28G	DO15	50 - 600	0.95 - 1.7	2.0	35
	SFS2x	SMB	50 - 600	0.95 - 1.85	2.0	35
	UF2x	DO15	50 - 1000	1.30 - 1.70	2.0	50 - 75
	UG2x	DO15	50 - 200	0.95	2.0	15
	US2x	SMB	50 - 1000	1.0 - 1.7	2.0	50 - 75
3.0	31DF4- 31DF6	DO201AD	400 - 600	1.25 - 1.70	3.0	25
	ES3	SMC	50 - 600	0.9 - 1.75	3.0	20 - 35
	ES3xF	Thin SMC	50 - 1000	1.0 - 1.7	3.0	50 - 75
	HER30x	DO201AD	50 - 1000	1.3 - 1.7	3.0	50 - 75
	MURS3D	SMC	200	0.875	3.0	25
	MURS3G- MURS3J	SMC	400 - 600	1.25	3.0	50
	SF31 - SF38	DO201AD	50 - 600	0.95 - 1.7	3.0	35
	SF31G- SF38G	DO201AD	50 - 600	0.95 - 1.7	3.0	35
	SFS3x	SMC	50 - 600	0.95 - 1.85	3.0	35
	UF3x	DO201AD	50 - 1000	1.30 - 1.70	3.0	50 - 75
	UF540x	DO201AD	50 - 1000	1.0 - 1.7	3.0	50 - 75
	UF540xG	DO201AD	50 - 1000	1.3 - 1.7	3.0	50 - 75
	US3x	SMC	50 - 1000	1.0 - 1.7	3.0	50 - 75
	US3xF	Thin SMC	50 - 400	0.95 - 1.25	3.0	35
3.5	SBYV28	DO201AD	50 - 200	1.1	3.5	20
4.0	MUR4100	DO201AD	1000	1.85	4.0	75
	MUR415- MUR420	DO201AD	150 - 200	0.89	4.0	25
	MUR440- MUR460	DO201AD	400 - 600	1.28	4.0	50
	UG4x	DO201AD	50 - 200	0.95	4.0	20

ULTRAFAST RECTIFIERS

$I_{F(AV)}$ (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	I_F (A)	T_{rr} (ns)
5.0	HER50x	DO201AD	50 - 1000	1.3 - 1.85	5.0	50 - 75
	SF51 - SF58	DO201AD	50 - 600	0.95 - 1.7	5.0	35
	SF51G - SF58G	DO201AD	50 - 600	0.95 - 1.7	5.0	35
	UF5x	DO201AD	50 - 1000	1.3 - 1.7	3.0	50 - 75
	UG5xT	TO220AC	500 - 600	1.75	5.0	25
	UGB5xT	TO263AB (D ² PAK)	500 - 600	1.75	5.0	25
	UGF5xT	ITO220AC	500 - 600	1.75	5.0	25
6.0	FEP6xT	TO220AB	50 - 200	0.975	3.0	35
	FEPB6xT	TO263AB (D ² PAK)	50 - 200	0.975	3.0	35
	FEFP6xT	ITO220AB	50 - 200	0.975	3.0	35
	SF61 - SF68	DO201AD	50 - 600	0.95 - 1.7	6.0	35
	SF61G - SF68G	DO201AD	50 - 600	0.95 - 1.7	6.0	35
	UF6x	P600	50 - 1000	1.3 - 2.0	6.0	50 - 75
8.0	FEFP8xT	ITO220AB	50 - 600	0.95 - 1.5	4.0	35 - 50
	FES8xT	TO220AC	50 - 600	0.95 - 1.5	8.0	35 - 50
	FESB8xT	TO263AB (D ² PAK)	50 - 600	0.95 - 1.5	8.0	35 - 50
	FESF8xT	ITO220AC	50 - 600	0.95 - 1.5	8.0	35 - 50
	SFF8JT	ITO220AC	600	1.5	8.0	35
	UG8xT	TO220AC	50 - 200	1.0	8.0	20
	UGB8xT	TO263AB (D ² PAK)	50 - 200	1.0	8.0	20
	UGF8xT	ITO220AC	50 - 600	1.0 - 1.7	8.0	20 - 25
10	BYT28	TO220AB	300 - 400	1.3	10	35
	BYTB28	TO263AB (D ² PAK)	300 - 400	1.3	10	35
	BYTF28	ITO220AB	300 - 400	1.3	10	35
	FEFP10xT	ITO220AB	50 - 600	1.1 - 1.5	5.0	35 - 50
	SFF10DCT - SFF10JCT	ITO220AB	200 - 600	1.3 - 1.5	10	35
	SFF10JT	ITO220AC	600	1.5	10	35
	UG10xCT	TO220AC	300 - 400	1.3	10	35
	UGB10xCT	TO263AB (D ² PAK)	300 - 400	1.3	5	35
	UGF10xCT	ITO220AB	300 - 600	1.3 - 1.7	5	25 - 35

ULTRAFAST RECTIFIERS

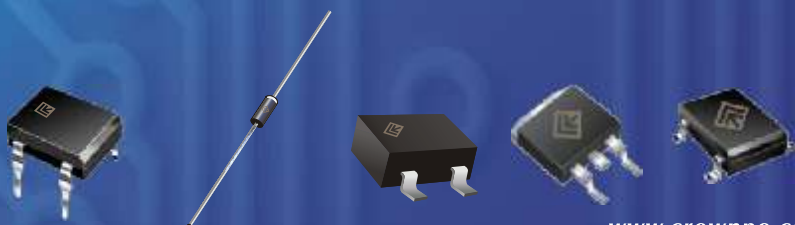
$I_{F(AV)}$ (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	I_F (A)	T_{rr} (ns)
16	FEP16xT	TO220AB	50 - 600	0.95 - 1.5	8.0	35 - 50
	FEPB16xT	TO263AB (D ² PAK)	50 - 600	0.95 - 1.5	8.0	35 - 50
	FEFP16xT	ITO220AB	50 - 600	0.95 - 1.5	8.0	35 - 50
	FES16xT	TO220AC	50 - 600	0.975 - 1.5	16	35 - 50
	FESB16xT	TO263AB (D ² PAK)	50 - 600	0.975 - 1.5	16	35 - 50
	FESF16xT	ITO220AC	50 - 600	0.975 - 1.5	16	35 - 50
	SFF16JCT	ITO220AB	600	1.5	16	35
	SFF16JT	ITO220AC	600	1.5	16	35
	UGF16xT	ITO220AC	600	1.7	16	25
18	UG18xCT	TO220AB	50 - 200	1.1	9	20
	UGB18xCT	TO263AB (D ² PAK)	50 - 200	1.1	9	20
	UGF18xCT	ITO220AB	50 - 200	1.1	9	20
20	FEFP20xT	ITO220AB	50 - 600	1.0 - 1.5	10	35 - 50
	SFF20JT	ITO220AC	600	1.5	20	35
	UGF20JCT	ITO220AB	600	1.7	20	25
	UGF20JT	ITO220AC	600	1.7	20	25
30	FEP30XP	TO3P	50 - 600	0.95 - 1.5	15	35 - 50

FAST RECOVERY RECTIFIERS

$I_{F(AV)}$ (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	I_F (A)	T_{rr} (ns)
0.01	FH10M	FH	8000-24000	25-75	0.01	100
0.2	FR02-25 - FR02-30	DO41	2500-3000	6.0	0.2	500
	FR02-35 - FR02-60	DO15	3500-6000	8-12	0.2	500
0.5	F10- F20	R1	1000-2000	2.0	0.5	500
	FFM05	SMA	1000-2000	2.0	0.5	500
	PF1x	DO41	1000-1500	2.0	0.5	500
1.0	1F1- 1F7	R1	50- 1000	1.3	1.0	150- 500
	1N4933-1N4937	DO41	50- 600	1.2	1.0	200
	1N4933G-1N4937G	DO41	50- 600	1.2	1.0	200
	BA157-BA159	DO41	400- 1000	1.3	1.0	150- 500
	BA157G-BA159G	DO41	400- 1000	1.3	1.0	150- 250
	BYT54A-BYT54M	DO41	50- 1000	1.5	1.0	100
	FR101-FR107	DO41	50- 1000	1.3	1.0	150- 500
	FR101G-FR107G	DO41	50- 1000	1.3	1.0	150- 500
	FSM10x	MELF	50- 1000	1.3	1.0	150- 500
	RS1x	SMA	50- 1000	1.3	1.0	150- 500
	RS493x	SMA	50- 600	1.2	1.0	150
	SM493x	MELF	50- 600	1.3	1.0	200
1.3	BYD33D-BYD33M	DO41	200- 1000	1.3	1.0	150- 300
1.5	BYV95xP-BYV96xP	DO15	200- 1000	1.6	3.0	150- 300
	FR151-FR157	DO15	50- 1000	1.3	1.5	150- 500
	FR151G-FR157G	DO15	50- 1000	1.3	1.5	150- 500
2.0	BY296-BY299	DO201AD	100- 800	1.3	2.0	150- 250
	BYD34D- BYD34M	DO15	200- 1000	1.2	2.0	150- 300
	FR201-FR207	DO15	50- 1000	1.3	2.0	150- 500
	FR201G-FR207G	DO15	50- 1000	1.3	2.0	150- 500
	RS2x	SMB	50- 1000	1.3	2.0	150- 500
3.0	BY396-BY399	DO201AD	100- 800	1.3	3.0	150- 250
	BYT56A-BYT56M	DO201AD	50- 1000	1.4	3.0	100
	BYW95xP-BYW96xP	DO201AD	200- 1000	1.5	3.0	150- 300

FAST RECOVERY RECTIFIERS

$I_{F(AV)}$ (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	I_F (A)	T_{rr} (ns)
3.0	FR301 - FR307	DO201AD	50 - 1000	1.3	3.0	150 - 500
	FR301G - FR307G	DO201AD	50 - 1000	1.3	3.0	150 - 500
	MR85x	DO201AD	50 - 1000	1.25 - 1.75	3.0	200
	RS3x	SMC	50 - 1000	1.3	3.0	150 - 500
5.0	MR82x	P600	50 - 600	1.1	5.0	200
6.0	BY329X-1500	ITO220AC	1500	1.45	6.5	350
	BY329X-1500S	ITO220AC	1500	1.6	6.5	250
	BY359F-1500	ITO220AC	1500	1.8	20	500
	BY359F-1500S	ITO220AC	1500	1.8	20	300
	FR601 - FR607	P600	50 - 1000	1.3	6.0	150 - 500



HIGH VOLTAGE RECTIFIERS

I_F (AV) (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	T_{rr} (ns)	I_F (A)
0.005	CSJA53-03-12	FV5M-1	3000 - 12000	12 - 37.5	50 - 100	0.01
	CSJA53-14-24	FV5M	14000 - 24000	42.5 - 75	100	0.01
	FV5MX2 - FV5MX12	Array	1200	4	100	0.005
0.01	FH10M	FH	8000 - 24000	25 - 75	100	0.01
0.2	GP02-25 - GP02-30	DO41	2500 - 3000	3		0.2
	GP02-35 - GP02-60	DO15	3500 - 6000	5 - 7		0.2
	FR02-25 - FR02-30	DO41	2500 - 3000	6.0	500	0.2
	FR02-35 - FR02-60	DO15	3500 - 6000	8 - 12	500	0.2
0.35	FHV03 -08 - FHV03 -16	HV03	8000 - 16000	22 - 32	100	0.35
	HV03 -08 - HV03 -16	HV03	8000 - 16000	10 - 15		0.35
0.5	FR05 - 10 - FR05 - 20	DO41	1000 - 2000	1.8	500	0.5
	GP05 -10 - GP05 - 20	DO41	1000 - 2000	2		0.5
0.75	HV07-08 - HV07-16	HV07	8000 - 16000	10 - 16		0.75
1.0	BY133/G	DO41	1300	1.1		1.0
	EM513G	DO41	1600	1.1		1.0
	EM513 - EM520	DO41	1600 - 2000	1.1		1.0
1.5	CG1	DO41	1400	1.1		1.5
	DG1	DO41	1500	1.1		1.5
	S2N - S2Y	SMB	1100 - 1600	1.15		1.5
2.0	CG2	DO15	1400	1.1		2.0
	DG2	DO15	1500	1.1		2.0
3.0	BY228/13 - BY228/15	DO201AD	1300 - 1500	1.5		5.0
	CG3	DO201AD	1400	1.2		3.0
	DG3	DO201AD	1500	1.2		3.0
	RQ3F	DO201AD	1500	1.2		3.0
5.0	5TUZ47C	ITO220AC	1500	1.8	250	5.0
6.0	BY329X - 1500	ITO220AC	1500	1.45	350	6.5
	BY329X - 1500S	ITO220AC	1500	1.6	250	6.5
	BY359F - 1500	ITO220AC	1500	1.8	500	20
	BY359F - 1500S	ITO220AC	1500	1.8	300	20



STANDARD RECTIFIERS

$I_{F(AV)}$ (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	I_F (A)
0.7	S07A - S07M	SOD123	50 - 1000	1.1	0.7
1.0	1A1 - 1A7	R1	50 - 1000	1.1	1.0
	1N4001 - 1N4007	DO41	50 - 1000	1.1	1.0
	1N4001G - 1N4007G	DO41	50 - 1000	1.1	1.0
	1N4001S - 1N4007S	A405	50 - 1000	1.1	1.0
	S1A - S1M	SMA	50 - 1000	1.1	1.0
	S1AF - S1MF	Thin SMA	50 - 1000	1.1	1.0
	S1AM - S1MM	SOD123	50 - 1000	1.1	1.0
	SM4001 - SM4007	MELF	50 - 1000	1.1	1.0
1.5	1N5391 - 1N5399	DO41	50 - 1000	1.4	1.5
	1N5391G - 1N5399G	DO15	50 - 1000	1.4	1.5
	S2A - S2M	SMB	50 - 1000	1.15	1.5
	S2N - S2Y	SMB	1100 - 1600	1.15	1.5
2.0	RL201 - RL207	DO15	50 - 1000	1.1	2.0
	RL201G - RL207G	DO15	50 - 1000	1.1	2.0
	S2AFA - S2MFA	Thin SMA	50 - 1000	1.1	2.0
3.0	1N5400 - 1N5408	DO201AD	50 - 1000	1.2	3.0
	1N5400G - 1N5408G	DO201AD	50 - 1000	1.1	3.0
	P300A - P300M	DO201AD	50 - 1000	1.2	3.0
	S3A - S3M	SMC	50 - 1000	1.15	3.0
	S3AF - S3MF	Thin SMC	50 - 1000	1.1	3.0
6.0	P600A - P600M	P600	50 - 1000	0.9 - 1.0	6.0
8.0	NS8AT - NS8MT	TO220AC	50 - 1000	1.1	8.0
	NSB8AT - NSB8MT	TO263AB (D ² PAK)	50 - 1000	1.1	8.0
	NSF8AT - NSF8MT	ITO220AC	50 - 1000	1.1	8.0
	P800A - P800M	P600	50 - 1000	1.0	8.0

BRIDGE RECTIFIERS

$I_{F(AV)}$ (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	I_F (A)
0.5	MB2S - MB10S	MBS	200 - 1000	1.0	0.4
1.0	DF005M - DF10M	DFM	50 - 1000	1.1	1.0
	DF005S - DF10S	DFS	50 - 1000	1.1	1.0
1.50	3N246 - 3N252	KBPM	50 - 1000	1.0	1.0
	C2SBA20 - C2SBA80	GBL(2S)	200 - 800	1.0	0.75
	DFL151S - DFL157S	DFLS	50 - 1000	1.1	1.5
	DFL158S - DFL159S	DFLS	1100 - 1400	1.25	1.5
	KBP005M - KBP10M	KBPM	50 - 1000	1.0	1.0
	W005G - W10G	WOG	50 - 1000	1.0	1.0
2.0	2KBP005M - 2KBP10M	KBPM	50 - 1000	1.1	3.14
	2W005G - 2W10G	WOG	50 - 1000	1.1	2.0
	3N253 - 3N259	KBPM	50 - 1000	1.1	3.14
	SIB2A - SIB2M	GBL(2S)	50 - 1000	1.0	2.0
4.0	C3SBA20 - C3SBA80	GBU	200 - 800	1.0	2.0
	GBL005 - GBL10	GBL(2S)	50 - 1000	1.0	4.0
	GBU4A - GBU4M	GBU	50 - 1000	1.0	4.0
	KBL005 - KBL10	KBL	50 - 1000	1.1	4.0
	KBU4A - KBU4M	KBU	50 - 1000	1.0	4.0
	SIB4A - SIB4M	3S	50 - 1000	0.95	2.0
6.0	GBU6A - GBU6M	GBU	50 - 1000	1.0	6.0
	KBPC6005 - KBPC610	KBPC6	50 - 1000	1.1	3.0
	KBU6A - KBU6M	KBU	50 - 1000	1.0	6.0
	SIB6A - SIB6M	5S	50 - 1000	1.0	3.0
8.0	BCT8-005 - BCT8-10	CT8	50 - 1000	1.1	10
	GBU8A - GBU8M	GBU	50 - 1000	1.0	8.0
	KBPC8005 - KBPC810	KBPC8	50 - 1000	1.1	4.0
	KBU8A - KBU8M	KBU	50 - 1000	1.0	8.0
	SIB8A - SIB8M	5S	50 - 1000	1.0	4.0
10	GBPC10-005 - GBPC10-10	GBPC25	50 - 1000	1.1	5

BRIDGE RECTIFIERS

$I_{F(AV)}$ (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	I_F (A)
10	GBPC10-005W - GBPC10-10W	GBPC25W	50 - 1000	1.1	5
	KBPC10-005 - KBPC10-10	KBPC25	50 - 1000	1.1	5
	KBPC10-005P - KBPC10-005P	KBPC25P	50 - 1000	1.1	5
	KBPC10-005PW - KBPC10-10PW	KBPC25PW	50 - 1000	1.1	5
	KBPC10-005W - KBPC10-10W	KBPC25W	50 - 1000	1.1	5
	KBU10A - KBU10M	KBU	50 - 1000	1.0	10
	PKBPC10A - PKBPC10M	KBPC8	50 - 1000	1.1	5
	SIB10A - SIB10M	5S	50 - 1000	1.0	5
15	GBPC15-005 - GBPC15-10	GBPC25	50 - 1000	1.1	7.5
	GBPC15-005W - GBPC15-10W	GBPC25W	50 - 1000	1.1	7.5
	KBPC15-005 - KBPC15-10	KBPC25	50 - 1000	1.1	7.5
	KBPC15-005P - KBPC15-005P	KBPC25P	50 - 1000	1.1	7.5
	KBPC15-005PW - KBPC15-10PW	KBPC25PW	50 - 1000	1.1	7.5
	KBPC15-005W - KBPC15-10W	KBPC25W	50 - 1000	1.1	7.5
	SIB15A - SIB15M	5S	50 - 1000	1.0	7.5
20	SIB20A - SIB20M	5S	50 - 1000	1.0	10
25	GBPC25-005 - GBPC25-10	GBPC25	50 - 1000	1.1	12.5
	GBPC25-005W - GBPC25-10W	GBPC25W	50 - 1000	1.1	12.5
	KBPC25-005 - KBPC25-10	KBPC25	50 - 1000	1.1	12.5
	KBPC25-005P - KBPC25-005P	KBPC25P	50 - 1000	1.1	12.5
	KBPC25-005PW - KBPC25-10PW	KBPC25PW	50 - 1000	1.1	12.5
	KBPC25-005W - KBPC25-10W	KBPC25W	50 - 1000	1.1	12.5
	SIB25A - SIB25M	5S	50 - 1000	1.0	12.5
35	GBPC35-005 - GBPC35-10	GBPC25	50 - 1000	1.1	17.5
	GBPC35-005W - GBPC35-10W	GBPC25W	50 - 1000	1.1	17.5
	KBPC35-005 - KBPC35-10	KBPC25	50 - 1000	1.1	17.5
	KBPC35-005P - KBPC35-005P	KBPC25P	50 - 1000	1.1	17.5
	KBPC35-005PW - KBPC35-10PW	KBPC25PW	50 - 1000	1.1	17.5

BRIDGE RECTIFIERS

$I_{F(AV)}$ (A)	Part Number	Package	V_{BR} Range (V)	Max V_F (V)	I_F (A)
35	KBPC35-005W - KBPC35-10W	KBPC25W	50 - 1000	1.1	17.5
40	GBPC40-005 - GBPC40-10	GBPC25	50 - 1000	1.1	20
	GBPC40-005W - GBPC40-10W	GBPC25W	50 - 1000	1.1	20
	KBPC40-005 - KBPC40-10	KBPC25	50 - 1000	1.1	20
	KBPC40-005P - KBPC40-005P	KBPC25P	50 - 1000	1.1	20
	KBPC40-005PW - KBPC40-10PW	KBPC25PW	50 - 1000	1.1	20
	KBPC40-005W - KBPC40-10W	KBPC25W	50 - 1000	1.1	20
	GBPC50-005 - GBPC50-10	GBPC25	50 - 1000	1.1	25
50	GBPC50-005W - GBPC50-10W	GBPC25W	50 - 1000	1.1	25
	KBPC50-005 - KBPC50-10	KBPC25	50 - 1000	1.1	25
	KBPC50-005P - KBPC50-005P	KBPC25P	50 - 1000	1.1	25
	KBPC50-005PW - KBPC50-10PW	KBPC25PW	50 - 1000	1.1	25
	KBPC50-005W - KBPC50-10W	KBPC25W	50 - 1000	1.1	25



TRANSIENT VOLTAGE SUPPRESSORS

Power Rating (W)	Part Number	Package	Reverse Standoff Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} (V)	Max Clamping Voltage V_c (V)	C_{tot} (pF)
400	P4KExx	DO41	5.5 - 356	6.12 - 484	10.8 - 631	
	P4KExxA	DO41	5.8 - 376	6.45 - 462	10.5 - 602	
	P4KExxC	DO41	5.5 - 356	6.12 - 484	10.8 - 631	
	P4KExxCA	DO41	5.8 - 376	6.45 - 462	10.5 - 602	
	SMAJxx	SMA	5.0 - 170	6.4 - 231	9.6 - 304	
	SMAJxxA	SMA	5.0 - 170	6.4 - 209	9.2 - 275	
	SMAJxxC	SMA	5.0 - 170	6.4 - 231	9.6 - 304	
	SMAJxxCA	SMA	5.0 - 170	6.4 - 209	9.2 - 275	
500	SACxx	DO15	5.0 - 50	7.6 - 55.5	10 - 88	50
	SAXx	DO15	5.0 - 170	6.4 - 231	9.6 - 304	
	SAXxA	DO15	5.0 - 170	6.4 - 209	9.2 - 275	
	SAXxC	DO15	5.0 - 170	6.4 - 231	9.6 - 304	
	SAXxCA	DO15	5.0 - 170	6.4 - 209	9.2 - 275	
600	LC6Exx	DO15	6.8 - 350	6.29-376.3	10.8 - 504	
	P6KExx	DO15	5.5 - 356	6.12 - 484	10.8 - 631	
	P6KExxA	DO15	5.8 - 376	6.45 - 462	10.5 - 602	
	P6KExxC	DO15	5.5 - 356	6.12 - 484	10.8 - 631	
	P6KExxCA	DO15	5.8 - 376	6.45 - 462	10.5 - 602	
	SMBJxx	SMB	5.0 - 170	6.4 - 231	9.6 - 304	
	SMBJxxA	SMB	5.0 - 170	6.4 - 209	9.2 - 275	
	SMBJxxC	SMB	5.0 - 170	6.4 - 231	9.6 - 304	
	SMBJxxCA	SMB	5.0 - 170	6.4 - 209	9.2 - 275	
1500	1.5KExx	DO201AE	5.5 - 356	6.12 - 484	10.8 - 631	
	1.5KExxA	DO201AE	5.8 - 376	6.45 - 462	10.5 - 602	
	1.5KExxC	DO201AE	5.5 - 356	6.12 - 484	10.8 - 631	
	1.5KExxCA	DO201AE	5.8 - 376	6.45 - 462	10.5 - 602	
	1N6267 - 1N6303	DO201AE	5.8 - 162	6.45 - 220	10.5 - 287	

TRANSIENT VOLTAGE SUPPRESSORS

Power Rating (W)	Part Number	Package	Reverse Standoff Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} (V)	Max Clamping Voltage V_c (V)
3000	3.0SMCJxx	SMC	5.0 - 170	6.12 - 231	312.5 - 304
	3.0SMCJxxA	SMC	5.0 - 170	6.45 - 209	326 - 275
	3.0SMCJxx	SMC	5.0 - 170	6.12 - 231	312.5 - 304
	3.0SMCJxxCA	SMC	5.0 - 170	6.45 - 209	326 - 275
5000	5KPxx	P600	5.0 - 160	6.4 - 217	9.6 - 285
	5KPxxA	P600	5.0 - 160	6.4 - 196	9.2 - 258
	5KPxxC	P600	5.0 - 160	6.4 - 217	9.6 - 285
	5KPxxCA	P600	5.0 - 160	6.4 - 196	9.2 - 258

Protection

RELAY

Max. Load Current (A)	Part Number	Package	Max. Repetitive Blocking Voltage V_{DRM} (V)PK	Transient Suppression Pt (W)	Vin (V)
25	FED225AH	Relay	600	1,500	4-32DC
	FED240AH	Relay	600	1,500	4-33DC

SIDAC

Typical Hold Current I_H (mA)	Part Number	Package	Max. Off-State Voltage V_{DRM} (V)	Breakdown Voltage $V_{BO} @ I_{BO}$ V_{BO} (V)	Max Breakover Current @ 10/1000uS I_{BO} (mA)	Max. On-State Voltage $V_T @ I_T$ (V)
50	K105	DO15	90	95-113	0.5	1.5
	K110	DO15	90	104-118	0.5	1.5
	K120	DO15	90	110-125	0.5	1.5
	K130	DO15	90	120-138	0.5	1.5
	K200	DO15	180	190-215	0.5	1.5
	K220	DO15	180	200-230	0.5	1.5
	K240	DO15	180	220-250	0.5	1.5
	K260	DO15	180	240-270	0.5	1.5



SMALL SIGNAL PRODUCTS

I_F (AV) mA	Part Number	Package	Power Dissipation P_D (mW)	V_{BR} Range (V)	Max V_F (V)	Capacitance C_{tot} (pF)	T_{rr} (ns)
10	1N4148	DO35	500	100	1.0	4.0	4.0
	1N914	DO35	500	100	1.0	4.0	4.0
	BAV70	SOT23	350	70	1.0	4.0	6.0
20	1N914A	DO35	500	100	1.0	4.0	4.0
30	RB751V-40 (Schottky)	SOD323		30	0.37		
50	BA516	SOT23	350	75	1.0	4.0	6.0
	BAV99	SOT23	350	70	1.0	4.0	6.0
	BAW56	SOT23	350	70	1.0	4.0	6.0
100	1N4448	DO35	500	100	1.0	4.0	4.0
	1N914B	DO35	500	100	1.0	4.0	4.0
	1SS355	SOD323		90	1.0	3.0	4.0
	BA540-xx (Schottky)	SOT23		40	0.38		
	BA570-xx (Schottky)	SOT23		70	0.41		
	BA554-xx (Schottky)	SOT23		30	1.0		
	BAV21	DO35	400	250	1.0	1.5	50
	C1SS355WS	0805		90	1.0	3.0	4
	RB500V-40 (Schottky)	SOD323		40	0.45		
	RB500V-41 (Schottky)	SOD323		40	0.55		
150	CD4148W	1206	400	100	1.0	4.0	4.0
	CD4148WS	0805	200	100	1.0	4.0	4.0
	CD4148WT	0603	200	100	1.0	4.0	4.0
	CD4151W	1206	410	75	1.0	2.0	4.0
	CD4448W	1206	500	100	1.0	4.0	4.0
	CD4448WS	0805	500	100	1.0	4.0	4.0
200	RB723 (Schottky)	SOD323		30	0.55		

ZENER PRODUCTS

Power Rating (W)	Part Number	Package	Nominal Zener Voltage Vz (V)	ZzT@ IzT (Ω)	ZzK@ IzK (Ω)
0.35	BZX84C	SOT23	2.7 - 47	10 - 170	80 - 600
0.5	1N5221B - 1N5267B	DO35	2.4 - 75	5 - 270	500 - 2000
	BZX55C	DO35	2.4 - 47	7 - 110	50 - 700
	GDZJ	DO34	2.0 - 36	8 - 140	110 - 2000
1.0	1N4728A - 1N4764A	DO41	3.3 - 100	2 - 350	400 - 3000
	Z10-xxx	DO41	110-330	750 - 5000	5000-9500
	ZS110 - ZS330	SMA	110-330	750 - 5000	5000-9500
	ZTS200X-ZTS200Z	SMA	190 - 340	5000	
1.5	1N5921B - 1N5956B	DO41	6.8 - 200	2.5 - 1200	200 - 8000
5.0	1N5342B - 1N5388B	DO201AE	6.8 - 200	1.0 - 480	75 - 1850

Zener



SHUNT REGULATOR

Analog IC	Part No.	I_{REF} (μA)	Dynamic Impedance (Ω)	Cathode Voltage (V)	Typ. V_{REF} (V)	Max I_k (mA)	Tolerance (%)	Package
Voltage Reference	CT431	4	0.5	37	2.5	100	0.5,0.7,1	T092,SOT23
	CT431L	0.5	0.4	20	1.24	100	0.5,0.7,1,2	T092, SOT23-3, SOT23-5, SOT89, SOP8

BUS & INTERFACE

Analog IC	Part No.	Supply Voltage (V)	I_{OUT} (A)	I_{VCCA} (μA)	I_{PVDD} (μA)	I_{OP} (mA)	F_{SW} (MHz)	Package
Switching Bus Terminators	CT8500	2-4	3	200	500		0.6	SOP16,TSSOP16
	CT8501C	2-4	1.5	200	500		1.2	SOP8
Linear Bus	CT8560	6	3	190		1		TO263-5
	CT8561	6	1.5	190		1		SOP8
	CT8562	6	2	190		1		SOP8, TO252-5
	CT8563	6	1.5	250				SOP8

POWER MANAGEMENT

Analog IC	Part No.	Supply Voltage (V)	V_{IN} Range (V)	Output Current (A)	V_{REF} (V)	Oscillator Frequency (KHz)	Start-Up Current (μA)	Start-Up Threshold (V)	PWM Duty (%)	Package
Voltage Mode PWM Controller	CT494	41	-0.3-42	0.25	4.75- 5.25	1-300				DIP16 SOP16
Current Mode PWM Controller	CT3842	30		± 1			200	14.5-17.5	94-100	DIP8 SOP8
	CT3843	30		± 1			500	7.8-9.0	94-100	DIP8 SOP8
PFC/PWM Combo	CM6800	Pin to pin compatible with ML4800 UVLO=13V, f _{pf} = f _{pw}								DIP16 SOP16

BATTERY MANAGEMENT

Analog IC	Part No.	Supply Voltage (V)	I _{OUT} (A)	I _{VCCA} (μA)	I _{PVDD} (μA)	Fsw (KHz)	Package
Low noise PWM step-down regulator	CM2576	1.23~37	3	70	200	52	TO220-5, TO263-5
	CT3708	2~5	3	200	500	600	SOP16, TSSOP16
	CT3718	2~5	1.5	220		1100	SOP8, TSSOP8
	CT3728	2~5	1.5	220		1100	TSSOP8
DC-DC Converter	CT34063	3~40	1.5			100	DIP-8, SOP-8

LDO

Analog IC	Part No.	Supply Voltage (V)	V _{OUT} (V)	I _{OUT} (A)	Dropout (V)	Package
Bipolar LDO Regulator	CM1084	7	2.5/3.3/Adj	5	1.3	TO220, TO252, TO263, TO263L
	CM1117	7	1.8/2.5/3.3/Adj	1	1.3	SOT223
150mA CMOS LDO	CT2854	7	Adj	0.15	0.3	SOT23-6
300 mA CMOS LDO	CT2830A	7	1.5/1.8/1.9/2.0/2.2/2.5/2.7/2.8/2.9/3.0/3.3/3.5/3.6/3.8	0.3	0.3	TO92, SOT23-3, SOT89
	CT2831	7	1.8/1.9/2.5/2.8/2.9/3.0/3.3/3.5/3.6	0.3	0.3	TO92, SOT23-3, SOT23-5, SOT89
	CT2832	7	1.8/1.9/2.5/2.8/3.0/3.3/3.5/3.6	0.3	0.3	SOT23-5
	CT2833	7	1.8/1.9/2.5/2.8/3.0/3.3/3.5/3.6	0.3	0.3	SOT23-5
	CT2838	7	1.8/2.5/3.0/3.3	0.3	0.3	SOT23-5
	CT2855	7	Adj	0.3	0.3	SOT23-6
600 mA CMOS LDO	CT2860	7	2.5/3.3	0.6	0.6/0.8	SOT89, SOT223
	CT2861	7	2.5/3.3	0.6	0.6/0.8	SOT223
	CT2862	7	2.5/3.3	0.6	0.6/0.8	SOT89



M O S F E T

MOSFET	Part No.	$V_{(BR)DSS}$ (V)	I_D @ 25°C (A)	$R_{DS(ON)}$ @ 10V (Ω)	Package
Low Voltage Single N-channel	CTM2N7002	60	0.115	7.5	SOT23
High Voltage Single N-Channel	CTM09N20	200	9	0.4	TO220
	CTM18N20	200	18	0.18	TO220
	CTM05N50	500	5	1.5	TO220
	CTM08N50	500	8	0.8	TO220, ITO220
	CTM14N50	500	14	0.4	TO3P
	CTM01N60	600	1	8	TO251, TO252
	CTM02N60	600	2	4.4	TO252, TO220, ITO220
	CTM04N60	600	4	2.4	TO220, ITO220
	CTM06N60	600	6	1.2	TO220, ITO220
	CTM07N60	600	7	1.2	TO220, ITO220

P O W E R A M P L I F I E R

RF IC	Part No.	Supply Voltage (V)	Max. Linear output power	Power consumption	Small Signal Gain	Package
Power Amplifier	CTC6688	3.0~4.5	+19dBm	170mA @19dBm	23dB	QFN 4X4,16pin

S Y N T H E S I Z E R

RF IC	Part No.	Supply Voltage (V)	F_{OUT} (MHz)		Power Down mode current	Package
			Synthesizer	VCO		
Synthesizer with Integrated VCO	CTC6502	$V_{CC}=1.8V$ Charge pump =2.5V	3000(Max)	1100~2600	<1 μ A	SSOP-20