



CATALOG



THINKI SEMICONDUCTOR CO.,LIMITED



THINKISEMI PROFILE

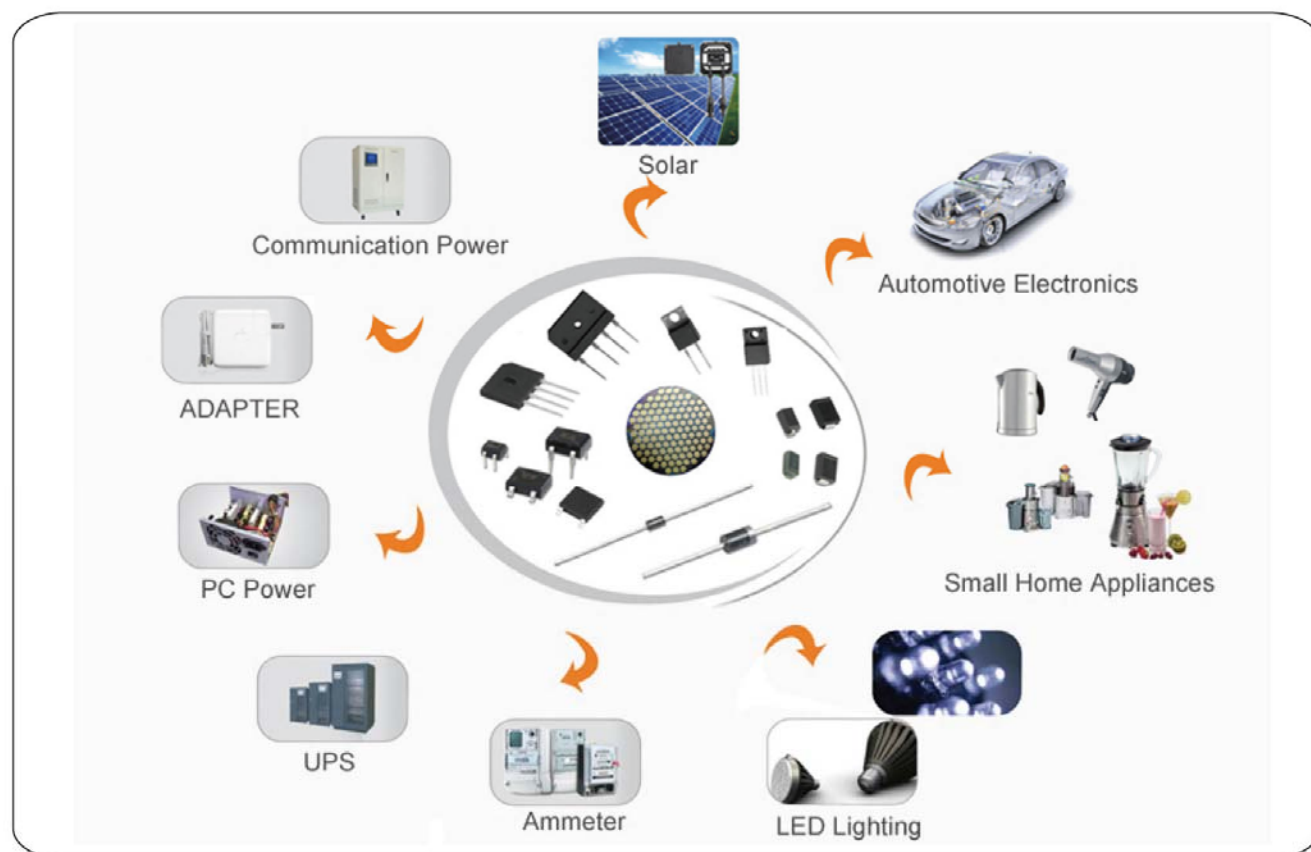
Thinki Semiconductor Co.,Ltd.(abbr.TSC) is a joint venture established by Thinki Semiconductor (Shanghai) Co.,Ltd. and Thinki Semiconductor HK Co.,Ltd..TSC have passed ISO9001:2008 Quality Certificate.

TSC is professional manufacturer of rectifier diodes,schottky diode,bridge rectifiers,tvs diodes and transistors etc.. Besides,Thinkisemi products have reached standard of SGS Report-SVHC/REACH Compliance and RoHS Compliant. Thinkisemi GPP wafers have wide application in the super/ultra fast recovery rectifiers,TVS diodes and bridge rectifiers. The high quality and good after-service have been approved by international market.We accept OEM/ODM requests.



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General Purpose Rectifier Diode

Open Junction (OJ Type)

Part Number	Package Type	Part Number	Package Type
1A1~1A7	R-1	2A01~2A07	DO-15
1N4001~1N4007	DO-41	1N5400~1N5408	DO-201AD
1N5391~1N5399	DO-15	BY251~BY255	DO-201AD
EM513~EM520	DO-41	6A05~6A10	R-6/P-600
RL201~RL207	DO-15	10A05~10A10	R-6/P-600
RL251~RL257	DO-15	M1~M7	SMA-E

Glass Passivated Junction (GPP Type)

Part Number	Package Type	Part Number	Package Type
1A1G~1A7G	R-1	SM4001PL~SM4007PL	Sub-SMA/SOD-123FL
1N4001G~1N4007G	DO-41	S1A~S1M	SMA/DO-214AC
EM513G~EM520G	DO-41	M1G~M7G	SMA-E
1N5391G~1N5399G	DO-15	GS1A~GS1M(ESD)	SMA/DO-214AC
2A01G~2A07G	DO-15	SM4001~SM4007	MELF(DO-213AB or LL-41)
1N5400G~1N5408G	DO-201AD	S2A~S2M	SMB/DO-214AA
BY251G~BY255G	DO-201AD	S2AA~S2MA	SMA/DO-214AC
6A05G~6A10G	R-6	S3A~S3M	SMC/DO-214AB
10A05G~10A10G	R-6	S3AB~S3MB	SMB/DO-214AA
RL10A01~RL10A07	TO-220AC	S5A~S5M	SMC/DO-214AB
RL1601CT~RL1607CT	TO-220AB	S6A~S6M	SMC/DO-214AB
RL2001PT~RL2012PT	TO-3P/TO-247AD	S10A~S10M	SMC/DO-214AB



R-1



DO-41



DO-15



DO-201AD



R-6/P-600



SMA-E



Sub-SMA/SOD-123FL



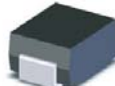
MELF(DO-213AB)



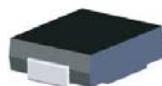
MELF(LL-41)



SMA/DO-214AC



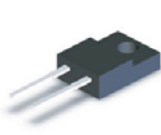
SMB/DO-214AA



SMC/DO-214AB



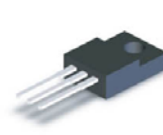
TO-220AC



ITO-220AC



TO-220AB



ITO-220AB



TO-3P/TO-247AD

Fast Recovery Rectifier Diode

Open Junction (OJ Type)

Part Number	Package Type	Part Number	Package Type
1F1~1F7	R-1	FR101S~FR107S	A-405
FR101~FR107	DO-41	BA157~BA159	DO-41
1N4933~1N4937	DO-41	FR151~FR157	DO-15
FR201~FR207	DO-15	BY296~BY299	DO-15
FR301~FR307	DO-201AD	BY396~BY399	DO-201AD
FR601~FR607	R-6/P-600	FR1A~FR1M	SMA-E
FR2A~FR2M	SMB/DO-214AA	FR3A~FR3M	SMC/DO-214AB

Glass Passivated Junction (GPP Type)

Part Number	Package Type	Part Number	Package Type
FR101G~FR107G	DO-41	1N4933G~1N4937G	DO-41
RGP10A~RGP10M	DO-41	RGP02-12/15/18/20	DO-41
FR151G~FR157G	DO-15	FR201G~FR207G	DO-15
RGP20A~RGP20M	DO-15	FR301G~FR307G	DO-201AD
RGP30A~RGP30M	DO-201AD	FR601G~FR607G	R-6/P-600
FR8A01~FR8A07	TO-220AC	FRF8A01~FRF8A07	ITO-220AC
FR10A01~FR10A07	TO-220AC	FRF10A01~FRF10A07	ITO-220AC
FR1001CT~FR1007CT	TO-220AB	FRF1001CT~FRF1007CT	ITO-220AB
FR16A01~FR16A07	TO-220AC	FRF16A01~FRF16A07	ITO-220AC
FR1601CT~FR1607CT	TO-220AB	FRF1601CT~FRF1607CT	ITO-220AB
RSS1M~RSS1M	Sub-SMA/SOD-123FL	RS3A~RS3M	SMC/DO-214AB
RS1A~RS1M	SMA/DO-214AC	RS3AB~RS3MB	SMB/DO-214AA
RS2A~RS2M	SMB/DO-214AA	RS5A~RS5M	SMC/DO-214AB



R-1



DO-41



DO-15



DO-201AD



R-6/P-600



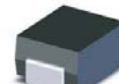
Sub-SMA/SOD-123FL



SMA-E



SMA/DO-214AC



SMB/DO-214AA



SMC/DO-214AB



TO-220AC



ITO-220AC



TO-220AB



ITO-220AB

High Efficiency Rectifier Diode

Open Junction (OJ Type)

Part Number	Package Type	Part Number	Package Type
1H1~1H8	R-1	HER101S~HER108S	A-405
HER101~HER108	DO-41	HER151~HER158	DO-15
HER201~HER208	DO-15	HER301~HER307	DO-201AD
HER601~HER608	R-6/P-600	HER801~HER808	R-6/P-600

Glass Passivated Junction (GPP Type)

Part Number	Package Type	Part Number	Package Type
1H1G~1H8G	R-1	HER101SG~HER108SG	A-405
HER101G~HER108G	DO-41	EGP10B~EGP10M	DO-41
HER201G~HER208G	DO-15	EGP20A~EGP20M	DO-15
HER301G~HER308G	DO-201AD	EGP30A~EGP30M	DO-201AD
HER601G~HER608G	R-6/P-600	HER8A01~HER8A08	TO-220AC
HERF8A01~HERF8A08	ITO-220AC	HER10A01~HER10A08	TO-220AC
HERF10A01~HERF10A08	ITO-220AC	HER1001CT~HER1008CT	TO-220AB
HERF1001CT~HERF1008CT	ITO-220AB	HER15A01~HER15A08	TO-220AC
HERF15A01~HERF15A08	ITO-220AC	HER1601CT~HER1608CT	TO-220AB
HERF1601CT~HERF1608CT	ITO-220AB	HER2001PT~HER2008PT	TO-3P/TO-247AD
HER3001PT~HER3008PT	TO-3P/TO-247AD	HER3001G~HER3008G	TO-3PN
HSS1A~HSS1M	Sub-SMA/SOD-123FL	HS1A~HS1M	SMA-E
HS2AA~HS2AM	SMA/DO-214AC	HS2A~HS2M	SMB/DO-214AA
HS3A~HS3M	SMC/DO-214AB	HS5A~HS5M	SMC/DO-214AB
HS8A~HS8M	SMC/DO-214AB	HS10A~HS10M	SMC/DO-214AB



R-1



A-405



DO-41



DO-15



DO-201AD



R-6/P-600



Sub-SMA/SOD-123FL



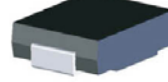
SMA-E



SMA/DO-214AC



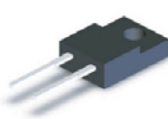
SMB/DO-214AA



SMC/DO-214AB



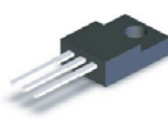
TO-220AC



ITO-220AC



TO-220AB



ITO-220AB



TO-3P/TO-247AD



TO-3PN

Ultra Fast Recovery Rectifier Diode

Open Junction (OJ Type)

Part Number	Package Type	Part Number	Package Type
UF4001~UF4007	DO-41	UF5400~UF5408	DO-201AD
UF1A~UF1M	SMA-E	UF2A~UF2M	SMB-E
UF3A~UF3M	SMC-E	UF5A~UF5M	SMC-E

Glass Passivated Junction (GPP Type)

Part Number	Package Type	Part Number	Package Type
MUR105~MUR1100	DO-41	UF4001G~UF4007G	DO-41
UF5400G~UF5408G	DO-201AD	MUR405~MUR4100	DO-201AD
MUR805~MUR8120	TO-220AC	UF8A05~UF8A60	TO-220AC
UFF8A05~UFF8A60	ITO-220AC	UF1005CT~UF1060CT	ITO-220AB
UFF1005CT~UFF1060CT	ITO-220AB	UF10A05~UF10A60	TO-220AC
MUR1510~MUR1560	TO-220AC	MURF1510~MURF1560	ITO-220AC
MUR1610CT~MUR1660CT	TO-220AB	MUR1610CTR~MUR1660CTR	TO-220AB
MUR1610CTD~MUR1660CTD	TO-220AB	MUR1610CTA~MUR1660CTA	TO-220AB
MURF1610CT~MURF1660CT	ITO-220AB	MURF1610CTR~MURF1660CTR	ITO-220AB
MURF1610CTD~MURF1660CTD	ITO-220AB	MURF1610CTA~MURF1660CTA	ITO-220AB
ESAD92-02R	TO-3PN(S)/TO-247AC	UF2005CT~UF2060CT	TO-220AB
UFF2005CT~UFF2060CT	ITO-220AB	MUR3020PT~MUR3060PT	TO-3P/TO-247AD
MUR30A20P~MUR30A60P	TO-247AD-2P	MUR3020CT~MUR3060CT	TO-220AB
MUR3020~MUR3060	TO-220AC	MUR15120	TO-220AC
UF3005PT~UF3060PT	TO-3P/TO-247AD	US1A~US1M	SMA/DO-214AC
US2A~US2M	SMB/DO-214AA	US3A~US3M	SMC/DO-214AB
US5A~US5M	SMC/DO-214AB	US8A~US8M	SMC/DO-214AB



DO-41



DO-15



DO-201AD



TO-247AD-2P



SMA-E



SMB-E



SMC-E



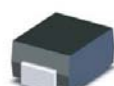
TO-3PN



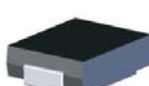
TO-247S



SMA/DO-214AC



SMB/DO-214AA



SMC/DO-214AB



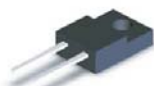
TO-247AC/TO-247AD-S



TO-3PNS



TO-220AC



ITO-220AC



TO-220AB

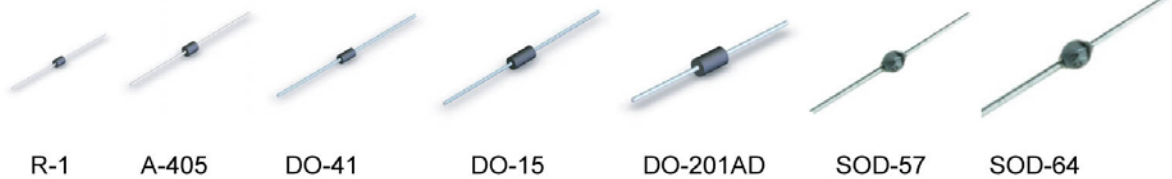


ITO-220AB

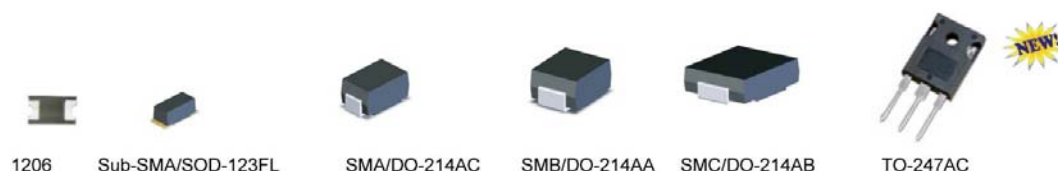


TO-3P/TO-247AD

Super Fast Recovery Rectifier Diode			
Open Junction (OJ Type)			
Part Number	Package Type	Part Number	Package Type
SF11S~SF18S	A-405	SF11~SF18	DO-41
SF21~SF28	DO-15	SF31~SF38	DO-201AD
SF51~SF58	DO-201AD	SF61~SF68	DO-201AD
SF81~SF88	DO-201AD	SF101~SF108	DO-201AD
Glass Passivated Junction (GPP Type)			
Part Number	Package Type	Part Number	Package Type
1SF01G~1SF08G	R-1	SF11SG~SF18SG	A-405
SF11G~SF18G	DO-41	UGP10A~UGP10K	DO-41
BYV26A~BYV26G	SOD-57	SF21G~SF28G	DO-15
UGP20A~UGP20K	DO-15	SF31G~SF38G	DO-201AD
31DF4~31DF6	DO-201AD	UGP30A~UGP30K	DO-201AD
BYM36A~BYM36F	SOD-64	SF41G~SF48G	DO-201AD
ER500~ER506	DO-201AD	SF61G~SF68G	DO-201AD
UGP60A~UGP60K	DO-201AD	SF81G~SF88G	DO-201AD
SF101G~SF108G	DO-201AD	SF8A005~SF8A06	TO-220AC
SFF8A005~SFF8A06	ITO-220AC	SF10A005~SF10A06	TO-220AC
SFF10A005~SFF10A06	ITO-220AC	SF1005CT~SF1060CT	TO-220AB
SFF1005CT~SFF1060CT	ITO-220AB	SF15A005~SF15A06	TO-220AC
SFF15A05~SFF15A60	ITO-220AC	SF1605CT~SF1660CT	TO-220AB
SFF1605CT~SFF1660CT	ITO-220AB	SF2005CT~SF2060CT	TO-220AB
SFF2005CT~SFF2060CT	ITO-220AB	SF3005PT~SF3060PT	TO-3P/TO-247AD
BYD127Z~BYD187Z	1206 or SOD-123FL	FS1AM~FS1JM	MSMA/MINI-SMA
ES1A~ES1J	SMA/DO-214AC	FS1A~FS1J	SMA/DO-214AC
ES2AA~ES2JA	SMA/DO-214AC	ES2A~ES2J	SMB/DO-214AA
FS2A~FS2J	SMB/DO-214AA	ES3A~ES3J	SMC/DO-214AB
ES3AB~ES3JB	SMB/DO-214AA	ES5AB~ES5JB	SMB/DO-214AA
FS3A~FS3J	SMC/DO-214AB	ES5A~ES5J	SMC/DO-214AB
ES8A~ES8J	SMC/DO-214AB	ES10A~ES10J	SMC/DO-214AB
MURD805~MURD860	DPAK/TO-252	MURD1005~MURD1060	DPAK/TO-252
MURS1605~MURS1660	D2PAK/TO-263	MURS2005~MURS2060	D2PAK/TO-263



Schottky Barrier Rectifier Diode			
Through Hole Type(DIP)			
Part Number	Package Type	Part Number	Package Type
1N17	R-1	1S20~1S110	R-1
1N5817~1N5819	DO-41	SB120~SB1100	DO-41
SR120~SR1100	DO-41	SB220~SB2100	DO-15
SR220~SR2100	DO-15	1N5820~1N5822	DO-201AD
SB320~SB3200	DO-201AD	SR320~SR3200	DO-201AD
SB520~SB5200	DO-201AD	SR520~SR5200	DO-201AD
10SQ040~10SQ200	R-6/P-600	15SQ040~15SQ200	R-6/P-600
SR5A20~SR5A100	TO-220AC	SRF5A20~SRF5A100	ITO-220AC
SR8A20~SR8A100	TO-220AC	SRF8A20~SRF8A100	ITO-220AC
SR10A20~SR10A100	TO-220AC	SRF10A20~SRF10A100	ITO-220AC
SR1020~SR10100	TO-220AB	SRF1020~SRF10100	ITO-220AB
MBR1035~MBR10100	TO-220AC	MBRF1035~MBRF10100	ITO-220AC
MBR1035CT~MBR10200CT	TO-220AB	MBRF1035CT~MBRF10200CT	ITO-220AB
SR15A20~SR15A60	TO-220AC	SRF15A20~SRF15A60	ITO-220AC
MBR1535CT~MBR15100CT	TO-220AB	MBRF1535CT~MBRF15200CT	ITO-220AB
SR1620~SR1660	TO-220AB	SRF1620~SRF1660	ITO-220AB
MBR1635~MBR16100	TO-220AC	MBRF1635~MBRF16100	ITO-220AC
SR2020~SR20100	TO-220AB	SRF2020~SRF20100	ITO-220AB
MBR2035CT~MBR20200CT	TO-220AB	MBRF2035CT~MBRF20200CT	ITO-220AB
SR2020PT~SR20200PT	TO-3P/TO-247AD	MBR2535CT~MBR25200CT	TO-220AB
MBRF2535CT~MBRF25100CT	ITO-220AB	MBR3035CT~MBR30200CT	TO-220AB
MBRF3035CT~MBRF30200CT	ITO-220AB	MBR3035PT~MBR30200PT	TO-3P/TO-247AD
MBR3035PT~MBR30200PT	TO-247AC	SR4020P~SR4060P	TO-3P/TO-247AD
MBRF4035PT~MBRF40200PT	TO-3P/TO-247AD	MBR6045PT~MBR60200PT	TO-3P/TO-247AD
Surface Mount Type(SMD)			
Part Number	Package Type	Part Number	Package Type
RB751V-40	SOD-723	SSK022~SSK024	SOD-523/0603
USCD032~USCD034	SOD-523/0603	MSCD032~MSCD034	SOD-323/0805
RB551V-20~RB551V40	SOD-323/0805	SS052~SS054	SOD-323/0805
MBR0520~MBR0540	SOD-123FL or 1206	SSCD052~SSCD054	SOD-123FL or 1206
SSD12~SSD120/SSD36	SOD-123FL or 1206	SSD22~SSD220	SOD-123FL or 1206
1N5817W~1N5819W	SOD-123FL or 1206	SS12~SS120	SMA/DO-214AC
SS12L~SS16L	SMA/DO-214AC	SS22~SS220	SMB/DO-214AA
SS22L~SS26L	SMB/DO-214AA	SK22A~SK220A	SMA/DO-214AC
SK22AL~SS26AL	SMA/DO-214AC	SS32~SS320	SMC/DO-214AB
SS32L~SS34L	SMC/DO-214AB	SK32A~SK320A	SMA/DO-214AC
SK32AL~SK34AL	SMC/DO-214AB	SK32B~SK320B	SMB/DO-214AA
SS52~SS520	SMC/DO-214AB	SK52B~SK520B	SMB/DO-214AA
SK52C~SK520C	SMC/DO-214AB	SS82~SS820	SMC/DO-214AB
SK102~SK1020	SMC/DO-214AB	MBRD520~MBRD5200	DDPAK/TO-252
MBRD820~MBRD8200	DDPAK/TO-252	MBRD1020~MBRD10200	DDPAK/TO-252
SVM1045V/SBR10U45SPS	TO-277/PowerDI®5	SVM1045V/SBR10U45SPS	PowerDI™5
MBRS1020~MBRS10200	D2PAK/TO-263	MBRS1535~MBRS15200	D2PAK/TO-263
MBRS1635~MBRS16200	D2PAK/TO-263	MBRS2035~MBRS20200	D2PAK/TO-263
MBRS2535~MBRS25200	D2PAK/TO-263	MBRS3045~MBRS30200	D2PAK/TO-263



Single Phase Bridge Rectifiers			
(Plastic Material)			
Part Number	Package Type	Part Number	Package Type
1W005~1W10	RB-15	W005~W10	WOM
2W005~2W10	WOM	RS201~RS210	RS-2
KBP2005~KBP210	KBP	KBJ2A~KBJ2M	KBJ
KBP3005~KBP310	KBP	BR301~BR310	BR3
RS401L~RS407L	KBL	KBJ4A~KBJ4M	KBJ
KBL4005~KBL410	KBL	KBU4005~KBU410	KBU
RS601~RS607	RS-6	KBU6005~KBU610	KBU
BR6005~BR610	BR6	KBPC6005~KBPC610	KBPC-6
RS801~RS810	RS-8	KBU8005~KBU810	KBU
BR8005~BR810	BR8	BR1001~BR1010	BR8
RS1001M~RS1007M	KBJ	KBJ10005~KBJ1010	KBJ
KBPC10005~KBPC1010	KBPC	RS1501SM~RS1507M	KBJ
KBJ15005~KBJ1510	KBJ	BR15005~BR1510	BR
KBPC15005~KBPC1510	KBPC	KBPC15005W~KBPC1510W	KBPC-W
MP15005~MP1510	MP	RS2501M~RS2507M	KBJ
KBJ25005~KBJ2510	KBJ	BR25005~BR2510	BR
KBPC25005~KBPC2510	KBPC	KBPC25005W~KBPC2510W	KBPC-W
MP25005~MP2510	MP	BR35005~BR3510	BR
KBPC35005~KBPC3510	KBPC	KBPC35005W~KBPC3510W	KBPC-W
MP35005~MP3510	MP	KBPC50005~KBPC5010	KBPC
KBPC50005W~KBPC5010W	KBPC-W		
(Glass Passivated Material)			
Part Number	Package Type	Part Number	Package Type
HD005M~HD10M	MD-S	MB05S~MB10S	MD-S
MB05M~MB10M	MD-M	MB05F~MB10F	MD-F
ABS05~ABS10	AB-S	DB101~DB107	DB-1
DB101S~DB107S	DB-S	DB151~DB157	DB-1
DB151S~DB157S	DB-S	KBP2005G~KBP210G	KBP
D2UB05~D2UB100	D3K	D3UB05~D3UB100	D3K
UG2KB05~UG2KB100	D3K	D4UB05~D4UB100	D3K
UG3KB05~UG3KB100	D3K	UG4KB05~UG4KB100	D3K
UG6KB05~UG6KB100	D3K	GBK3005~GBK310	D3K
KBP3005G~KBP310G	KBP	KBL4005G~KBL410G	KBL
GBL4A~GBL4M	GBJ	GBU4005~GBU410	GBU
GBU6005~GBU610	GBU	MP6005G~MP610G	MP-6
GBU8005~GBU810	GBU	GBU10005~GBU1010	GBU
GBJ10005~GBJ1010	GBJ/4GBJ	GBU15005~GBU1510	GBU
GBJ15005~GBJ1510	GBJ/4GBJ	GBU25005~GBU2510	GBU
GBJ25005~GBJ2510	GBJ/4GBJ	BR25005L~BR2510L	BR-L
GBPC25005~GBPC2510	GBPC	GBPC35005~GBPC3510	GBPC
BR3505L~BR3510L	BR-L	GBPC50005~GBPC5010	GBPC



Transient Voltage Suppressors

Part Number	Package Type	Part Number	Package Type
P4KE6.8A/CA~P4KE440A/CA (400W)	DO-41	P6KE6.8A/CA~P6KE550A/CA (600W)	DO-15
SA5.0A/CA~SA440A/CA (500W)	DO-15	1.5KE6.8A/CA~1.5KE550A/CA (1500W)	DO-201AD
3KP5.0A/CA~3KP220A/CA (3000W)	R-6/P-600	5KP5.0A/CA~5KP220A/CA (5000W)	R-6/P-600
15KP5.0A/CA~15KP440A/CA (15kW)	R-6/P-600	20KP20A/CA~20KP300A/CA (20kW)	R-6/P-600
30KP28A/CA~30KP288A/CA (30kW)	R-6/P-600	3.0SMC6.8A/CA~3.0SMC440A/CA (3000W)	SMC
SMAJ5.0A/CA~SMAJ440A/CA (400W)	SMA	SMBJ5.0A/CA~SMBJ440A/CA (600W)	SMB
SMCJ5.0A/CA~SMCJ440A/CA (1500W)	SMC	SMDJ5.0A/CA~SMDJ170A/CA (3000W)	SMC
5.0SMDJ12A/CA~5.0SMDJ33A/CA (5000W)	SMC	P4SMA6.8A/CA~P4SMA440A/CA (400W)	SMA
P6SMB6.8A/CA~P6SMB440A/CA (600W)	SMB	1.5SMC6.8A/CA~1.5SMC440A/CA (1500W)	SMC

Zener Diodes

Part Number	Package Type	Part Number	Package Type
1N5221~1N5281 (2.4V-200V) (0.5W)	DO-35	BZX55C2V4~BZX55C200 (2.4V-200V) (0.5W)	DO-35
1N4728~1N4764 (3.3V-100V) (1W)	DO-41	Z110~Z330 (110V-330V) (1W)	DO-41
1N5913~1N5956 (3.3V-200V) (1.5W)	DO-41	2EZ11~2EZ200 (11V-200V) (2W)	DO-41
2EZ11~2EZ200 (11V-200V) (2W)	DO-15	3EZ11~3EZ200 (11V-200V) (3W)	DO-15
1N5333~1N5388 (3.3V-200V) (5W)	DO-201AD	MM5Z2V4~MM5Z75V (2.4V-75V) (0.1W)	SOD-523
BZT52-C2V4S~BZT52-C75S (2.4V-75V) (0.2W)	SOD-323	MM3Z2V4B~MM3Z75V8 (2.4V-75V) (0.2W)	SOT-323
BZT52-C2V4~BZT52-C39 (2.4V-39V) (0.41W)	SOD-123	BZX84C2V4~BZX84C75 (2.4V-75V) (0.41W)	SOT-23
MMBZ5221B~MMBZ5270B (2.4V-91V) (0.41W)	SOT-23	MMSZ5221B~MMSZ5259B (2.4V-39V) (0.5W)	SOD-123
MM1Z2V4~MM1Z75V (2.4V-75V) (0.5W)	SOD-123FL	ZMM5221~ZMM5267 (2.4V-75V) (0.5W)	MINI-MELF
1SMA4728~1SMA4764 (3.3V-100V) (1W)	SMA	ZM4728~ZM4764 (3.3V-100V) (1W)	MELF
1SMA5913~1SMA5957 (3.3V-240V) (1.5W)	SMA	ZM1.5C3V3~ZM1.5C200V (1.5W)	MELF
1SMB5913~1SMB5957 (3.3V-240V) (1.5W)	SMB	1SMA3EZ6V8~1SMAEZ200 (3.3V-200V) (3W)	SMA
1SMB3EZ3V3~1SMBEZ200 (3.3V-200V) (3W)	SMB	1SMC5334~1SMC5388(3.6V-200V) (5W)	SMC



Switching Diodes													
Part Number	Absolute Maximum Rating(Ta=25℃)					Electrical Characteristics(Ta=25℃)							Package
	VRRM	VR	Power	Io	IFSM	VF(max)@IF		IR(max)@VR		Trr(max)			
	V	V	mW	mA	A@1us	V	mA	μA	V	ns	V	mA	
<u>Axial Lead</u>													
0.5W													
1N4148	100	75	200	150	0.5	1	10	2.5	75	4	6	10	DO-35
1N4448	100	75	200	150	0.5	1	100	2.5	75	4	6	10	DO-35
1N914B	100	100	500	75	0.5	1	10	0.025	20	4	6	10	DO-35
<u>Surface Mount</u>													
0.2W													
1N4148WT	100	75	200	150	0.3	1	10	5	75	4	6	10	SOD-523
1N4448WT	100	75	200	150	0.3	1	100	5	75	4	6	10	SOD-523
1N914BWT	100	75	200	150	0.3	1	10	0.025	20	4	6	10	SOD-523
1N4148WS	100	75	200	150	0.3	1	10	5	75	4	6	10	SOD-323
1N4148WS	100	75	200	150	0.3	1	10	5	75	4	6	10	SOD-323
1N914BWS	100	75	200	150	0.3	1	10	0.025	20	4	6	10	SOD-323
1N4148W	100	75	500	150	0.45	1	10	5	75	4	6	10	SOD-123
1N4448W	100	75	500	150	0.45	1	10	5	75	4	6	10	SOD-123
1N914BW	100	75	500	150	0.45	1	10	0.025	20	4	6	10	SOD-123
LL4148	100	75	500	200	0.5	1	50	5.00	75	4	6.0	10	SOD-80C
LL4448	100	75	500	200	0.5	1	100	2.50	75	4	6.0	10	SOD-80C

Silicon Bidirectional Diacs										
Part Number	ITRM	VBO		I+VBOI-I-VBOI	I±ΔVI	VO	IBO	tr	IB	Package
	VRRM	Min	Max							
	A	V	V	V	V	V	μA	μs	μA	
DB3	2	28	36	±3	5	5	100	1.5	10	DO-35
DB4	2	35	45	±3	5	5	100	1.5	10	DO-35
DB6	2	56	70	±3	5	5	100	1.5	10	DO-35
DB3	2	28	36	±3	5	5	100	1.5	10	DO-41
DB4	2	35	45	±3	5	5	100	1.5	10	DO-41
DB6	2	56	70	±3	5	5	100	1.5	10	DO-41
LLDB3	2	28	36	±3	5	5	100	1.5	10	MINI-MELF
LLDB4	2	35	45	±3	5	5	100	1.5	10	MINI-MELF
LLDB6	2	56	70	±3	5	5	100	1.5	10	MINI-MELF
DLDB3	2	28	36	±3	5	5	100	1.5	10	DL-35
DLDB4	2	35	45	±3	5	5	100	1.5	10	DL-35
DLDB6	2	56	70	±3	5	5	100	1.5	10	DL-35
DC3	2	30	38	±3	5	5	100	1.5	10	DO-35
LLDC3	2	30	38	±3	5	5	100	1.5	10	MINI-MELF
DLDC3	2	30	38	±3	5	5	100	1.5	10	DL-35

Plastic-Encapsulate Bipolar Transistor/MJE Transistors								
Part Number	Polarity	Pc	Ic	VCBO	VCEO	HFE		Package Type
		(w)	(A)	(v)	(v)	MIN	MAX	
MJE13002	NPN	20	1.2	600	400	10	40	TO-126
MJE13003	NPN	30	1.5	600	400	10	40	TO-126
MJE13003T	NPN	40	2	700	400	10	40	TO-220
MJE13005D-213	NPN	70	4	700	400	15	30	TO-220(M)
MJE13005-225	NPN	70	4	700	400	15	30	TO-220AB/TO-220C
MJE13005-250	NPN	75	5	700	400	15	30	TO-220AB/TO-220C
MJE13007	NPN	80	8	700	400	10	40	TO-220
MJE13009	NPN	100	12	700	400	10	40	TO-220



MOSFET Transistors								
Part Number	PD	ID	V(BR)DSS	RDS(ON)	VGS	EAS	PINARRAY	Package
	(W)	(A)	(V)	(Ω)	(V)	(mJ)		
TSP2N60	64	2	600	4.7	±30	140	GDS	TO-220
TSP4N60	100	4.5	600	2.2	±30	216	GDS	TO-220
TSP5N60	100	4.5	600	2.2	±30	216	GDS	TO-220
TSP6N60	115	5.6	600	1.35	±30	385	GDS	TO-220
TSP7N60	140	7.4	600	1	±30	560	GDS	TO-220
TSP8N60	140	8	600	1	±30	560	GDS	TO-220
TSP630	100	9	200	0.4	±20	280	GDS	TO-220
TSP640	135	18	200	0.18	±30	220	GDS	TO-220
TSP730	100	5.5	400	1	±20	300	GDS	TO-220
TSP740	125	10	400	0.55	±30	680	GDS	TO-220
TSP830	100	4.5	500	1.5	±20	290	GDS	TO-220
TSP840	137	8.8	500	0.85	±30	559	GDS	TO-220
TSP10N60	158	9.9	600	0.75	±30	760	GDS	TO-220
TSP12N60	180	11.5	600	0.73	±30	830	GDS	TO-220
TSP20N50	280	20	500	0.27	±20	960	GDS	TO-3P
TSP50N06	130	51	60	0.023	±25	727	GDS	TO-220
TSU50N06	130	51	60	0.023	±25	680	GDS	TO-251
TSD50N06	130	51	60	0.023	±25	680	GDS	TO-252
TSU2N60	64	2	600	4.5	±30	130	GDS	TO-251
TSD2N60	64	2	600	4.5	±30	130	GDS	TO-252
TSU4N60	100	4.5	600	2.2	±30	210	GDS	TO-251
TSD4N60	100	4.5	600	2.2	±30	210	GDS	TO-252
TSU5N50	100	4.5	500	1.5	±20	290	GDS	TO-251
TSD5N50	100	4.5	500	1.5	±30	290	GDS	TO-252
TSU5N60	100	4.5	600	2.2	±30	216	GDS	TO-251
TSD5N60	100	4.5	600	2.2	±30	216	GDS	TO-252
TSP3205	150	110	60	0.008	±20	620	GDS	TO-220
TSP75N80M	268	80	75	0.009	±25	700	GDS	TO-220

Voltage-Stablized Source IC/Three Terminal Voltage Regulator						
Part Number	PD	V _i	V _o	I _q	PINARRAY	Package
	(mW)	(V)	(V)	(m A)		
78L05	625	30	4.75~5.25	5.5	OGI	TO-92
78L06	625	30	5.7~6.3	6.0	OGI	TO-92
78L08	625	30	7.6~8.4	5.5	OGI	TO-92
78L09	625	30	8.55~9.45	6.0	OGI	TO-92
78L12	625	35	11.4~12.6	6.0	OGI	TO-92
79L05	625	-30	-4.75~-5.25	5.5	OGI	TO-92
79L06	625	-30	-5.7~-6.3	6.0	GIO	TO-92
79L08	625	-30	-7.6~-8.4	6.0	GIO	TO-92
79L09	625	-30	-8.55~-9.45	-6.0	GIO	TO-92
79L12	625	-30	-11.4~-12.6	-6.0	GIO	TO-92
LM7805	2000	35	4.8~5.2	8.0	IGO	TO-220
LM7809	2000	35	8.65~9.35	6.0	IGO	TO-220
LM7812	2000	35	11.5~12.5	8.0	IGO	TO-220
LM7815	2000	35	14.4~15.6	8.0	IGO	TO-220
LM7905	2000	-30	-4.8~-5.2	2.0	GIO	TO-220
LM7912	2000	-25	-11.5~-12.5	2.0	GIO	TO-220
LM7915	2000	-25	-14.4~-15.6	2.0	GIO	TO-220
TL431	770	10	VREF2.44~2.55	-	RAC	TO-92



TO-220(C)



TO-220(M)



TO-92