



TOPDIODE GROUP



ISO 9001: 2008 & ISO 14001: 2004
Diodes | Bridge Rectifiers | Transistors

www.topdiode.com

Topdiode Group are leading manufacturer and supplier of a wide range discrete components and capacitors in China. Discrete Semiconductors include Rectifier Diode, Switching Diode, Zener Diode, TVS Diode, Schottky Diode, Bi-directional Trigger Diode, Fast Recovery Diode, Bridge Rectifier THT & SMT, Small Signal Transistors; and capacitors range includes CA42 Dipped Tantalum Capacitors, CA45 Chip Tantalum Capacitors, CL21 Metallized Polyester Capacitors etc. Topdiode serves the consumer electronics, computing, communications, and industrial markets.

The Company's

- ◆ Company headquarters, manufacturing facilities, design & engineering center are located in Hunan Province, Shandong Province, and Guangdong Province since 1996.
- ◆ Overseas sales office & warehouse center are located in Dongguan China.
- ◆ Own around 750 employees and 65 professional technical personnel; production capacity around 6 billion pcs in 2012
- ◆ The Company's manufacturing facilities have achieved the Quality Awards of ISO-9001:2008, and GJB90018:2009 certification.
- ◆ Product focus is on high-growth end-user equipment markets such as TV/Satellite set-top boxes, portable DVD players, monitors, speakers, energy-saving lamps, LED lighting, microwave ovens, printers, datacom devices, ADSL modems, power supplies, power meters, medical devices, PCs and notebooks, flat panel displays, digital cameras, mobile handsets, AC-to-DC and DC-to-DC conversion, Wireless 802.11 LAN access points, brushless DC motor fans, small household electrical appliances and other fields.
- ◆ Topdiode supplies components to military and industrial market both; tantalum capacitors factory is military capacitors qualified.

Through-hole Bridge Rectifier (THT type)

		Peak Repetitive Reverse Voltage						
		50V	100V	200V	400V	600V	800V	1000V
Average Forward Current	0.5A			MB2M	MB4M	MB6M	MB8M	MB10M
	1.0A	DB101	DB102	DB103	DB104	DB105	DB106	DB107
		W005	W01	W02	W04	W06	W08	W10
	1.5A	DB151	DB152	DB153	DB154	DB155	DB156	DB157
	2.0A	GBL201	GBL202	GBL203	GBL204	GBL205	GBL206	GBL207
		2W005	2W01	2W02	2W04	2W06	2W08	2W10
	3.0A	KBP2005	KBP201	KBP202	KBP204	KBP206	KBP208	KBP210
		KBP3005	KBP301	KBP302	KBP304	KBP306	KBP308	KBP310
	4.0A	GBL4005	GBL401	GBL402	GBL404	GBL406	GBL408	GBL410
		KBJ4005	KBJ401	KBJ402	KBJ404	KBJ406	KBJ408	KBJ410
		KBL4005	KBL401	KBL402	KBL404	KBL406	KBL408	KBL410
	6.0A	GBU4005	GBU401	GBU402	GBU404	GBU406	GBU408	GBU410
		KBJ6005	KBJ601	KBJ602	KBJ604	KBJ606	KBJ608	KBJ610
		KBL6005	KBL601	KBL602	KBL604	KBL606	KBL608	KBL610
	8.0A	GBU6005	GBU601	GBU602	GBU604	GBU606	GBU608	GBU610
		GBU8005	GBU801	GBU802	GBU804	GBU806	GBU808	GBU810
		KBJ8005	KBJ801	KBJ802	KBJ804	KBJ806	KBJ808	KBJ810
	10A	GBU10005	GBU1001	GBU1002	GBU1004	GBU1006	GBU1008	GBU1010
		KBJ10005	KBJ1001	KBJ1002	KBJ1004	KBJ1006	KBJ1008	KBJ1010
	25A	KBPC25005	KBPC2501	KBPC2502	KBPC2504	KBPC2506	KBPC2508	KBPC2510
	35A	KBPC35005	KBPC3501	KBPC3502	KBPC3504	KBPC3506	KBPC3508	KBPC3510

Surface Mount Bridge Rectifier (SMT type)

		Peak Repetitive Reverse Voltage						
		50V	100V	200V	400V	600V	800V	1000V
Average Forward Current	0.5A			MB2S	MB4S	MB6S	MB8S	MB10S
	0.8A			ABS2	ABS4	ABS6	ABS8	ABS10
	1.0A	DB101S	DB102S	DB103S	DB104S	DB105S	DB106S	DB107S
	1.5A	DB151S	DB152S	DB153S	DB154S	DB155S	DB156S	DB157S

Small Signal Transistors

P/N	Package (Size)
PNP Silicon Transistors	
BC807-BC808	SOT-23
BC856 BC857 BC858 BC859 BC860	SOT-23
MMBT3906	SOT-23
MMBT8550C/D	SOT-23
NPN Silicon Transistors	
BC817-BC818	SOT-23
BC846 BC847 BC848 BC849 BC850	SOT-23
MMBT3904	SOT-23
MMBT8050C/D	SOT-23

Zener Diode (THT & SMT)

Power dissipation	P/N	Voltage
500mW, 1/2W	BZX55C2V7~47V DO-35	2.7V~47V
500mW, 1/2W	BZV55C2V4~47V LL-34	2.4V~47V
1000mW, 1W	1N4729A~1N4756A DO-41	3.3V~100V
500mW	DL4728A~DL4764A LL-41	3.3V~100V
0.35W	BZX84C3V0~47V	3V0~47V

Transient Voltage Suppression Diode (TVS Diode)

Through Hole TVS Diode	Package	Voltage Range
P4KE6.8A~440A	DO-41	6.8V -- 440V
P6KE6.8A~440A	DO-15	6.8V -- 440V
1.5KE6.8A~1.5KE440A	DO-201AE	6.8V -- 440V
P4KE6.8CA~440CA	DO-41	6.8V -- 440V
P6KE6.8CA~440CA	DO-15	6.8V -- 440V
1.5KE6.8CA~1.5KE440CA	DO-201AE	6.8V -- 440V
Transient Voltage Suppression Diode (SMT Type)		
SMT TVS Diode	Package	Voltage Range
SMAJ5.0A ~ SMAJ170A	SMA	5.0V -- 170V
SMBJ5.0A ~ SMBJ170A	SMB	5.0V -- 170V
SMCJ5.0A ~ SMCJ170A	SMC	5.0V -- 170V

Switching Diode

Average Forward Current	Peak Repetitive Reverse Voltage
	100V
200mA	1N4148 DO-35
200mA	LL4148 LL-34
150mA	1N4148W SOD-123
150mA	1N4148WS SOD-323
125mA	1N4148WT SOD-523
200mA	MCL4148 MicroMELF

High Speed Switching Diode	
BAV99	SOT-23
BAV70	SOT-23
BAV19 BAV20 BAV21	DO-35

Bi-directional Trigger Diode

P/N	Package	Voltage Range
DB3	DO-35	28V -- 36V
DB4	DO-35	35V -- 45V
LLDB3	SOD-80	28V -- 36V

General Purpose Rectifier Diode

		Peak Repetitive Reverse Voltage							
		50V	100V	200V	300V	400V	500V	600V	1000V
Average Forward Current	1.0A	M1	M2	M3		M4		M5	M6
		S1A	S1B	S1D		S1G		S1J	S1K
		1A1	1A2	1A3		1A4		1A5	1A6
		1N4001	1N4002	1N4003		1N4004		1N4005	1N4006
	1.5A	1N4001S	1N4002S	1N4003S		1N4004S		1N4005S	1N4006S
		LL4001	LL4002	LL4003		LL4004		LL4005	LL4006
		1N5391	1N5392	1N5393	1N5394	1N5395	1N5396	1N5397	1N5398
		GP15A	GP15B	GP15D		GP15G		GP15J	GP15K
	2.0A	RL151	RL152	RL153		RL154		RL155	RL156
		S2A	S2B	S2D		S2G		S2J	S2K
	2.5A	RL251	RL252	RL253		RL254		RL255	RL256
	3.0A	1N5400	1N5401	1N5402	1N5403	1N5404	1N5405	1N5406	1N5407
		S3A	S3B	S3D		S3G		S3J	S3K
	5.0A	5A05	5A1	5A2		5A4		5A6	5A8
	6.0A	6A05	6A1	6A2		6A4		6A6	6A8
	10.0A	10A05	10A1	10A2		10A3		10A6	10A10

Fast Recovery Diode

		Peak Repetitive Reverse Voltage						
		50V	100V	200V	400V	600V	800V	1000V
Average Forward Current	1.0A	1N4933	1N4934	1N4935	1N4936	1N4937		
		FR1A	FR1B	FR1D	FR1G	FR1J	FR1K	FR1M
		RS1A	RS1B	RS1D	RS1G	RS1J	RS1K	RS1M
		US1A	US1B	US1D	US1G	US1J	US1K	US1M
	1.5A	FR101	FR102	FR103	FR104	FR105	FR106	FR107
		FR151	FR152	FR153	FR154	FR155	FR156	FR157
	2.0A	FR201	FR202	FR203	FR204	FR205	FR206	FR207
	2.5A	FR251	FR252	FR253	FR254	FR255	FR256	FR257
	3.0A	FR301	FR302	FR303	FR304	FR305	FR306	FR307
	5.0A	FR501	FR502	FR503	FR504	FR505	FR506	FR507
	6.0A	FR601	FR602	FR603	FR604	FR605	FR606	FR607

Schottky Diodes (THT Type)

		Peak Repetitive Reverse Voltage							
		20V	30V	40V	50V	60V	80V	100V	200V
Average Forward Current	1.0A	1N5817	1N5818	1N5819					
		SB120	SB130	SB140	SB150	SB160	SB180	SB1100	
	2.0A	SB220	SB230	SB240	SB250	SB260	SB280	SB2100	SB2200
	3.0A	1N5820	1N5821	1N5822					
	5.0A	SB320	SB330	SB340	SB350	SB360	SB380	SB3100	SB3200
		SB520	SB530	SB540	SB550	SB560	SB580	SB5100	SB5200

Surface-mount Schottky Diodes SMD

		Peak Repetitive Reverse Voltage					
		20V	40V	60V	100V	150V	200V
Average Forward Current	1.0A	SS12A	SS14A	SS16A	SS110A		
	2.0A	SS22A	SS24A	SS26A	SS210A	SS215A	
		SS22B	SS24B	SS26B	SS210B	SS215B	
	3.0A	SS32A	SS34A	SS36A	SS310A		
		SS32B	SS34B	SS36B	SS310B	SS315B	
		SS32C	SS34C	SS36C	SS310C	SS315C	SS320C