

New Bridge Rectifiers

Maximum Current Rating Capability in the World



PANJIT products not only meet all requirements in the industry, but exceed standards. Among all bridge rectifiers with the equivalent packaging quality and measurements in the industry, our series provides the highest forward current (I_F). What our competitors do well, we do better.

► Performance Advantages

Design Upgrade

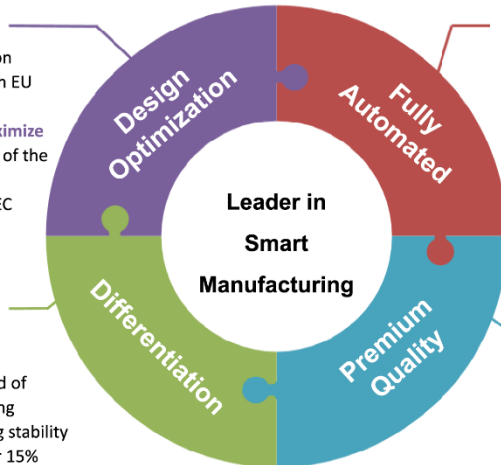
- Glass passivated chip junction
- **Lead-free** in compliance with EU RoHS 2.0
- **Lead frame** designed to **maximize die pad and IFSM capability** of the same packaging size
- **Halogen-free** according to IEC 61249 standard
- Matte tin plating

Exceed Industry Standards

- **Solder paste printing** instead of dispensing during die-bonding process to improve soldering stability and lower void rate to under 15%
- **SMD gull-wing** packaging
- Upgraded die pad

► Target Applications

- Computing Power/Desktop Power
- Game Console Power
- Server Power
- Air Conditioner Power Board
- QC/USB PD
- High Power/High Efficiency Power
- Home Appliances Power Board
- Rice/IH/Microwave Cooker



Automated

Manufacturing Process

- **Automatic laser die cutting** technology
- **Pick-and-place automation** for die attach to increase accuracy and prevent dies shifts, micro-cracks and chipping
- Automated testing barcode system for PAT spec review

Exceptional Quality

- **UL certification** file number E526209
- Wafer produced with **SIPOS/PG/LTO** technology to optimize HTRB capability



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➤ Products

★ With PANJIT bridge rectifiers, you get the maximum forward current rating within the same packaging measurement range.

Series	V _B	I _F	I _{FSM}	V _F Max.	
	V	A	A	V	M4
Standard Type	1000	2	70	1.05	PMS210
		3	110	1.05	PMS310
		4 ★	120	1.05	PM5410 ★

Series	V _B	I _F	I _{FSM}	V _F Max.	
	V	A	A	V	M8
Standard Type	1000	5	130	1.05	PM510
		6	150	1.05	PM610
		8	170	1.05	PM810
		10 ★	190	1.05	PM1010 ★

Series	V _B	I _F	I _{FSM}	V _F Max.	
	V	A	A	V	GBL-2
Standard Type	1000	4	150	1.05	GBL410
		6	160	1.05	GBL610
		8 ★	200	1.05	GBL810 ★

Series	V _B	I _F	I _{FSM}	V _F Max.	T _J Max.	
	V	A	A	V	°C	GBU-2
Standard Type	800	10	240	0.94	150	GBU1008LV
		20	400	0.94	150	GBU2008LV
	1000	4	160	1.05	150	GBU410
		6	175	1.05	150	GBU610
		8	220	1.05	150	GBU810
		10	240	1.05	150	GBU1010
		15	200	1.05	150	GBU1510
		25	350	1.05	150	GBU2510
		35 ★	400	1.1	150	GBU3510 ★
		25	350	1.05	175	GBU2510H
		35	350	1.1	175	GBU3510H

Series	V _B	I _F	I _{FSM}	V _F Max.	
	V	A	A	V	KBJ-2
Standard Type	1000	4	135	1.05	KBJ410
		6	170	1.05	KBJ610
		10	170	1.05	KBJ1010
		15	180	1.05	KBJ1510
		20	200	1.05	KBJ2010
		25	240	1.05	KBJ2510
		35 ★	350	1.05	KBJ3510 ★