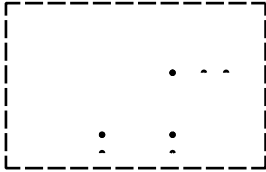


# PB50005 THRU PB5010



PARAMETER	SYMBOL	UNIT	PB50005	PB5001	PB5002	PB5004	PB5006	PB5008	PB5010
Device marking code			PB50005	PB5001	PB5002	PB5004	PB5006	PB5008	PB5010
Maximum Repetitive Peak Reverse Voltage	VRRM	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	VRMS	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	VDC	V	50	100	200	400	600	800	1000
Average rectified output current @60Hz sine wave, R-load,	With heatsink T <sub>c</sub> =90	I <sub>O</sub>	A	50.0					
	Without heatsink T <sub>a</sub> =25			4.5					
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, T <sub>j</sub> =25	IFSM	A	500						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T <sub>j</sub> =25			1000						
Current squared time @1ms t 8.3ms T <sub>j</sub> =25 , Rating of per diode	I <sup>2</sup> t	A <sup>2</sup> s	1037.5						
Storage temperature	T <sub>stg</sub>		-55 ~ +150						
Junction temperature	T <sub>j</sub>		-55 ~ +150						
Dielectric strength @ Terminals to case, AC 1 minute	V <sub>dis</sub>	KV	2.5						
Mounting torque @Recommend torque 5kg cm	Tor	kg cm	8						

### Electrical Characteristics T<sub>a</sub>=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	PB50005	PB5001	PB5002	PB5004	PB5006	PB5008	PB5010
Maximum instantaneous forward voltage drop per diode	V <sub>F</sub>	V	I <sub>FM</sub> =25.0A	1.1						
Maximum DC reverse current at rated DC blocking voltage per diode	I <sub>R</sub>	μA	T <sub>j</sub> =25	5						
			T <sub>j</sub> =125	200						
Typical junction capacitance	C <sub>j</sub>	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	270						

**PB50005 THRU PB5010**





## PB50005 THRU PB5010

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