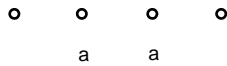
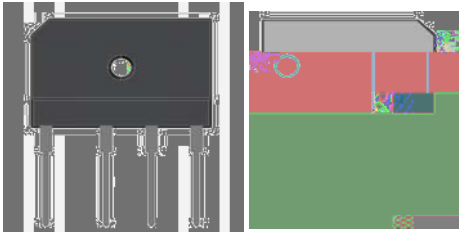


# Maximum Ratings (T<sub>a</sub>=25 °C Unless otherwise specified)



PARAMETER	SYMBOL	UNIT	PB3510H
Device marking code			PB3510H
Maximum Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	V	1600
Maximum RMS Voltage	V <sub>RMS</sub>	V	1120
Maximum DC blocking Voltage	V <sub>DC</sub>	V	1600
Average rectified output current @60Hz sine wave, R-load	I <sub>o</sub>	A	With heatsink T <sub>c</sub> =100 -
			Without heatsink T <sub>a</sub> =25 -
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, T <sub>j</sub> =25 -	I <sub>FSM</sub>	A	400
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T <sub>j</sub> =25 -			800
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	664
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	T <sub>or</sub>	kg cm	8

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

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	PB3510H
Maximum instantaneous forward voltage drop per diode	V <sub>F</sub>	V	I <sub>FM</sub> =17.5A	1.1

Maximum DC reverse current at rated DC blocking voltage I<sub>A</sub>



# PB3510H

**Thermal Characteristics**  $T_a=25$  Unless otherwise specified

PARAMETER	SYMBOL	UNIT	PB3510H
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Outline Dimensions

PB		
Dim	Min	Max
A	29.7	30.3
B	19.7	20.3
C	17.0	18.0
D	4.8	5.8
E	3.8	4.2
F	7.3	7.7
G	9.8	10.2
H	0.9	1.1
I	2.0	2.4
J	2.3	2.7
K	3.4	3.8
L	4.4	4.8
M	10.8	11.2
N	3.1	3.7
O	3.1	3.4
P	0.6	0.8
A1	28.75	29.15
B1	18.75	19.15
C1	0.3	0.7
D1	0.3	0.7

Dimensions in millimeters



## Disclaimer

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