DISCONTINUED



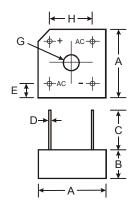
PBPC301 - PBPC307

Features

- **High Current Capability**
- Surge Overload Rating to 50A Peak
- High Case Dielectric Strength of 1500V
- Ideal for Printed Circuit Board Application
- UL Listed Under Recognized Component Index, File Number E94661

Mechanical Data

- Case: PBPC-3
- Case Material: Molded Plastic. UL Flammability Classification 94V-0
- Moisture Sensitivity: Level 1 per J-STD-020C
- Terminals: Plated Leads Solderable per MIL-STD-202,
- Method 208
- Polarity: Marked on Body
- Mounting: Through Hole for Screw
- Mounting Torque: 5.0 Inch-pounds Maximum
- Ordering Information: See Page 3
- Marking: Type Number
- Weight: 3.8 grams (approximate)



PBPC-3							
Dim	Min Max						
Α	14.73	15.75					
В	5.84	6.86					
C	19.00	_					
D	0.76 ∅	Typical					
Е	1.70	3.20					
G	Hole for screw						
G	3.60	4.00					
Н	10.30	11.30					
All Dimensions in mm							

Maximum Ratings and Electrical Characteristics (@TA = +25°C, unless otherwise specified.)

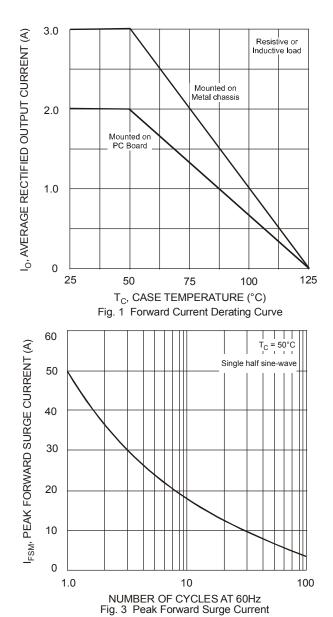
Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

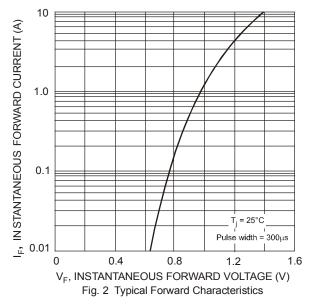
Characteristic		Symbol	PBPC 301	PBPC 302	PBPC 303	PBPC 304	PBPC 305	PBPC 306	PBPC 307	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		$egin{array}{c} V_{RRM} \ V_{RWM} \ V_{R} \end{array}$	50	100	200	400	600	800	1000	V
RMS Reverse Voltage		V _{R(RMS)}	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note (Note	, •	I IO				3.0 2.0				Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on R	ated Load	I _{FSM}				50				Α
Forward Voltage (per element)	@ I _F = 1.5A	V_{FM}				1.2				V
Peak Reverse Current at Rated DC Blocking Voltage (per element)	@ T _C = 25°C @ T _C = 100°C	I _R				10 1.0				μA mA
I ² t Rating for Fusing (t<8.3ms)	(Note 3)	l ² t				10				A^2s
Typical Total Capacitance	(Note 4)	Ст				55				pF
Typical Thermal Resistance Junction to Case (per element)		$R_{\theta JC}$	25				°C/W			
Operating and Storage Temperature Range		T _{j,} T _{STG}	-65 to +125				°C			

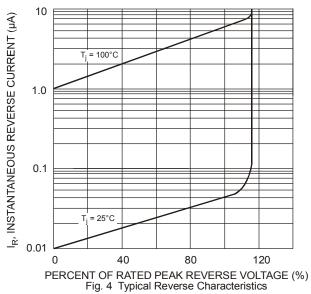
Notes:

- Mounted on metal chassis.
- Mounted on PC board FR-4 material.
- Non-repetitive, for t > 1.0ms and < 8.3ms.
- Per element, measured at 1.0 MHz and applied reverse voltage of 4.0V DC.









Ordering Information (Note 5 & 6)

Device*	Packaging	Shipping				
PBPC30x	PBPC-3	200/Box				

^{*} x = Device type, e.g. PBPC301 or PBPC302, etc.

Notes: 5. For packaging details, visit our website at http://www.diodes.com/datasheets/ap02008.pdf.

6. For lead free terminal plating part number, please add "-F" suffix to part number above. Example: PBPC304-F.



Marking Information

DH**RY** YWW PBPCXXX The state of the s

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