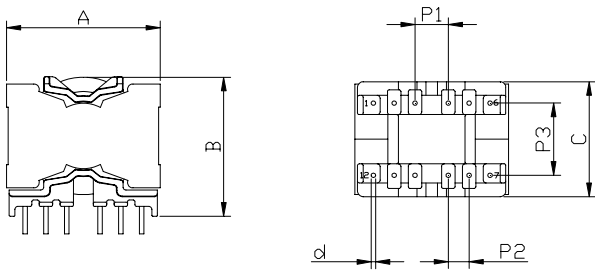


# PHD Reactors

Product series: BWXL-PQ5035A series

**Patent protected!**



## Features:

- Excellent performance on efficiency
- Cost effective design
- IEC standard core type
- Very good heat dissipation
- High reliability and temperature stability

## Applications:

- PFC chokes for High power design up to 2KW
- Buck-boost converters
- Energy storage requirement



## • Dimensional specifications:

unit in mm

| A     | B     | C     | $\phi d$ | P1 | P2 | P3   |
|-------|-------|-------|----------|----|----|------|
| 52max | 46max | 37max | 1.2      | 12 | 6  | 22.3 |

## • Electrical specifications:

| Product name     | Inductance<br>$\pm 10\%$ ( $\mu\text{H}$ ) | Typical<br>Rdc ( $\text{m}\Omega$ ) | PF<br>value | Suitable power* |
|------------------|--|-------------------------------------|-------------|-----------------|
| BWXL-PQ5035A-321 | 320  | 37                                  | > 95%       | 1000~1500W      |
| BWXL-PQ5035A-161 | 160  | 19                                  | > 95%       | 1500~2000W      |

\*Only reference for PFC choke applications for PSU with  $V_{in}=100\text{Vac}$

## • DC-bias property: (typical curves)

