

# PL SERIES

## Linear chokes

### Features

- Nominal maximum load current: from 0,6A to 7A.
- Nominal inductance (L): from 0,05mH to 5,5mH.
- Nominal inductance >80% at maximum load current.
- Working voltage: 600Vdc maximum.
- Working frequency: up to 20kHz.
- High isolation voltage winding to ambient: 2kVac.
- Ambient temperature: -40°C to +50°C.
- Storage temperature: from -40°C to +120°C.
- All materials UL94V-0 listed.
- Vertical and horizontal formats available.



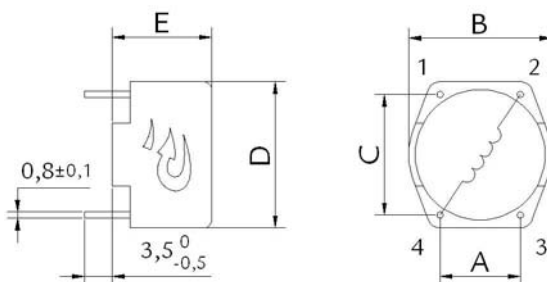
### Electrical specifications

| Code       | I <sub>DC LOAD</sub> (A)<br>maximum | L (mH)<br>at 10kHz<br>±10% | R <sub>dc</sub> (Ω)<br>typical | Case |
|------------|-------------------------------------|----------------------------|--------------------------------|------|
| PL0R6-06HA | 0,6                                 | 0,65                       | 0,69                           | HA   |
| PL0R1-15HA | 1,5                                 | 0,11                       | 0,15                           | HA   |
| PLR01-40HA | 4                                   | 0,015                      | 0,017                          | HA   |
| PL3R0-06HB | 0,6                                 | 3                          | 1,7                            | HA   |
| PL1R0-10HB | 1                                   | 1                          | 0,55                           | HB   |
| PL0R5-15HB | 1,5                                 | 0,5                        | 0,27                           | HB   |
| PL0R1-30HB | 3                                   | 0,1                        | 0,07                           | HB   |
| PLR02-70HB | 7                                   | 0,02                       | 0,013                          | HB   |
| PL0R1-06VA | 0,6                                 | 0,1                        | 0,6                            | VA   |
| PLR05-10VA | 1                                   | 0,05                       | 0,28                           | VA   |
| PL0R5-06VC | 0,6                                 | 0,5                        | 0,75                           | VC   |
| PL0R2-10VC | 1                                   | 0,2                        | 0,22                           | VC   |
| PLR05-20VC | 2                                   | 0,05                       | 0,05                           | VC   |
| PL005-04VD | 0,45                                | 5                          | 2,6                            | VD   |
| PL003-06VD | 0,6                                 | 3                          | 1,55                           | VD   |
| PL0R5-15VD | 1,5                                 | 0,5                        | 0,28                           | VD   |
| PL0R3-18VD | 1,8                                 | 0,3                        | 0,18                           | VD   |
| PL0R1-30VD | 3                                   | 0,1                        | 0,07                           | VD   |
| PLR05-45VD | 4,5                                 | 0,05                       | 0,03                           | VD   |
| PLR02-70VD | 7                                   | 0,02                       | 0,012                          | VD   |
| PL5R5-06VE | 0,6                                 | 5,5                        | 3,6                            | VE   |
| PL0R8-16VE | 1,6                                 | 0,8                        | 0,47                           | VE   |
| PL0R3-25VE | 2,5                                 | 0,3                        | 0,16                           | VE   |
| PL0R1-40VE | 4                                   | 0,13                       | 0,053                          | VE   |
| PLR05-63VE | 6,3                                 | 0,05                       | 0,023                          | VE   |

# PL SERIES

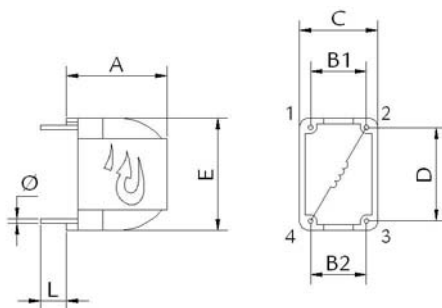
## Linear chokes

### Dimensions (in millimeters)



PL-H SERIES

| Code  | A<br>±0,2 | B<br>MAX | C<br>±0,2 | D<br>MAX | E<br>±0,2 |
|-------|-----------|----------|-----------|----------|-----------|
| PL-HA | 10        | 17,8     | 15        | 18,2     | 12,4      |
| PL-HB | 15        | 28       | 25        | 28       | 17,5      |



PL-V SERIES

| Code  | A<br>MAX | B1<br>±0,2 | B2<br>±0,2 | C<br>MAX | D<br>±0,2 | E<br>MAX | Ø PIN<br>±0,1 | L PIN<br>+0/-0,5 |
|-------|----------|------------|------------|----------|-----------|----------|---------------|------------------|
| PL-VA | 10,5     | 5          | 6,25       | 8,2      | 8,75      | 10,7     | 0,6           | 3,5              |
| PL-VC | 13,5     | 7,5        | 7,5        | 10,5     | 12,5      | 15       | 0,6           | 3,5              |
| PL-VD | 24       | 10         | 10         | 13       | 20        | 23       | 0,8           | 3,5              |
| PL-VE | 32       | 15         | 15         | 18       | 12,5      | 32       | 0,8           | 5                |

# PL SERIES

## Linear chokes

Linear Chokes

### Typical curves: Inductance vs Load Current

