

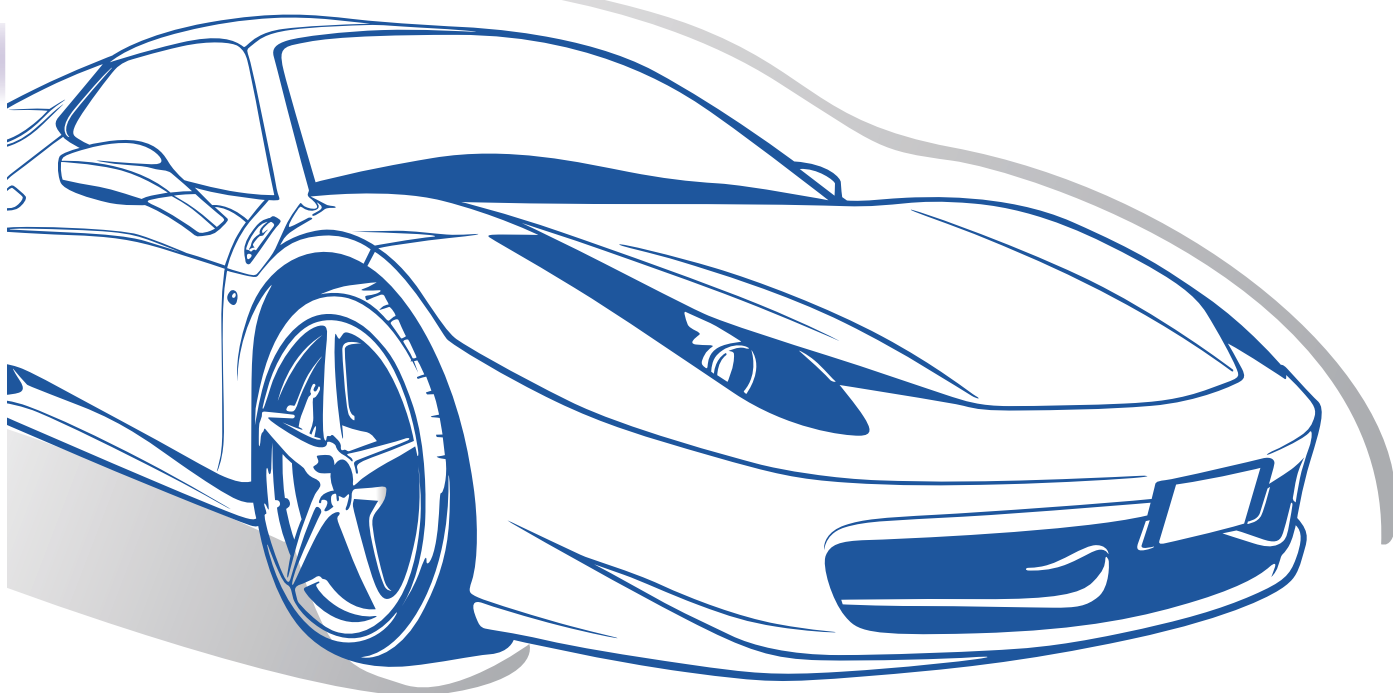
**Sunlord**  
EXPERT IN E – PARTS

# AUTOMOTIVE

## PRODUCTS SELECTION GUIDE

汽车电子部品

[2021-2022]



## ELECTRONIC TRANSFORMER

### EP Transformer

#### ATWPEP Series Customized

|                 |  |  |  |  |
|-----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| L × W × H (mm)  | 7.0×8.6×7.5                                                                       | 11.1×11.8×12.0                                                                    | 12.5×12×12.5                                                                        | 14.6×15.6×15.6                                                                      |
| Inductance (μH) | 4200.0                                                                            | 50.0                                                                              | 10.0                                                                                | 94.0                                                                                |

### for IGBT

#### ATWPEF Series Customized

|                 |  |  |  |  |  |
|-----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| L × W × H (mm)  | 12.0×14.0×7.5                                                                     | 12.5×17.0×6.0                                                                     | 16.0×17.0×12.0                                                                      | 20.2×20.3×12.0                                                                      | 25.85×22.8×17.3                                                                     |
| Inductance (μH) | 100                                                                               | 4430                                                                              | 580                                                                                 | 6.5                                                                                 | 120                                                                                 |

### PFC Boost Choke

#### ATWPEQ /ARLDC Series Customized

|             |  |  |  |
|-------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Application | PFC                                                                               | PFC                                                                               | PFC                                                                                 |

### Resonant Inductor

#### ATWPPQ Series Customized

|             |  |  |
|-------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Application | OBC 11KW                                                                          | OBC 6.6 KW                                                                        |

### DC-DC Module

#### ATWPPQ Series Customized

|             |  |
|-------------|-------------------------------------------------------------------------------------|
| Application | DC-DC 3KW                                                                           |

### LLC Transformer

#### ATWPPQ Customized

|             |  |  |  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Application | OBC 6.6KW                                                                           | OBC 22KW                                                                            | OBC 11KW                                                                              |

### Pulse Transformer

#### ALTW Series

|                 |  |  |
|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| L × W × H (mm)  | 7.9×6.1×6.8                                                                         | 12.7×10.2×10.5                                                                      |
| Inductance (μH) | 350Min.                                                                             | 680 Min.                                                                            |
| Application     | Ethernet                                                                            | BMS                                                                                 |

### Network Transformer

#### ALTWR

|                 |  |
|-----------------|-------------------------------------------------------------------------------------|
| L × W × H (mm)  | 9.27×7.62×5.72                                                                      |
| Inductance (μH) | 170-350                                                                             |
| Application     | BMS                                                                                 |

## COIL

for RF  
(Multilayer)

### ASDCL-D Series

Ceramic



ASDCL1005



ASDCL1608

|                    |             |             |
|--------------------|-------------|-------------|
| L x W x H (mm)     | 1.0x0.5x0.5 | 1.6x0.8x0.8 |
| Inductance (nH)    | 0.6-360     | 1.0-470     |
| Rated Current (mA) | 50-800      | 150-500     |

for RF  
(Wire Wound)

### AWL-C&AWL-FS Series

Ceramic & Ferrite



AWL1005C-M01



AWL1005C-M81



AWL1608C-M01



AWL1608FS-M01

|                    |             |             |             |             |
|--------------------|-------------|-------------|-------------|-------------|
| L x W x H (mm)     | 1.1x0.5x0.6 | 1.1x0.5x0.6 | 1.6x0.8x0.8 | 1.6x0.8x0.8 |
| Inductance (nH)    | 1.5-100     | 1.3-75      | 2.2-470     | 4.9-650     |
| Rated Current (mA) | 120-1000    | 320-3150    | 75-850      | 430-2600    |

for PoC  
(Wire Wound)

### AWL-FP Series

Magnetic Shielded

NEW



AWL3225FP

|                   |             |
|-------------------|-------------|
| L x W x H (mm)    | 3.2x2.5x2.3 |
| Inductance (μH)   | 2.2-47      |
| Rated Current (A) | 0.3-1       |

for Power Line  
(Wire Wound)

### ASWPA Series

Magnetic Shielded



ASWPA4035



ASWPA6055S



ASWPA8050

|                   |             |             |             |
|-------------------|-------------|-------------|-------------|
| L x W x H (mm)    | 4.0x4.0x3.5 | 6.0x6.0x5.5 | 8.0x8.0x5.0 |
| Inductance (μH)   | 1.0-150     | 3.3-330     | 1.0-330     |
| Rated Current (A) | 0.35-5.2    | 0.45-3.95   | 0.5-6.3     |

for Power Line  
(Wire Wound)

### AMWPH Series

Magnetic Shielded

NEW



AMWPH3015



AMWPH4018



AMWPH5030



AMWPH6045

|                   |             |             |             |             |
|-------------------|-------------|-------------|-------------|-------------|
| L x W x H (mm)    | 3.0x3.0x1.5 | 4.0x4.0x1.8 | 5.0x5.0x2.9 | 6.0x6.0x4.4 |
| Inductance (μH)   | 1.0-100     | 1.0-100     | 0.47-33     | 0.55-100    |
| Rated Current (A) | 0.26-2.0    | 0.4-2.7     | 0.7-4.75    | 0.75-5.9    |

for Power Line  
(Wire Wound)

### AMWPB Series

Magnetic Shielded

NEW



AMWPB6045



AMWPB7045

|                   |             |             |
|-------------------|-------------|-------------|
| L x W x H (mm)    | 6.5x6.0x4.5 | 7.4x7.0x4.5 |
| Inductance (μH)   | 1.0-10      | 1.0-10      |
| Rated Current (A) | 2.5-5.1     | 3.0-6.5     |

for Power Line  
(Wire Wound)

### AMWPQ Series

Magnetic Shielded  
Ultra High Current



AMWPQ2815



AMWPQ2818



AMWPQ3315

|                   |                |                |          |
|-------------------|----------------|----------------|----------|
| L x W x H (mm)    | 26.5x27.1x14.5 | 26.5x27.1x17.5 | 33x33x16 |
| Inductance (μH)   | 1.5-33         | 3.3-33         | 4.7      |
| Rated Current (A) | 4.0-100        | 7.0-91.0       | 75       |

for Automotive  
Lighting

### ACPR1208S Series

Magnetic Shielded  
(Coupled Inductor)

NEW



ACPR1208

|                   |               |
|-------------------|---------------|
| L x W x H (mm)    | 12.5x12.5x8.0 |
| Inductance (μH)   | 4.7-100       |
| Rated Current (A) | 1.5-5.0       |

## COMMON MODE FILTER

for CAN BUS

### AMCW-B/ACSR Series

Wire Wound



AMCW3225B



AMCW4532B



ACSR0906

L x W x H (mm)  
Inductance  
@ 100KHz/0.1V (μH)  
Rated Current (mA)

3.2x2.5x2.35  
11-100  
150-400

4.5x3.2x2.55  
11-100  
200-360

9.0x6.0x4.8  
5-4700  
400-1200

for CAN FD

### AMCW-F Series

Wire Wound

NEW



AMCW3225F



AMCW4532F

L x W x H (mm)  
Inductance  
@ 100KHz/0.1V (μH)  
Rated Current (mA)

3.2x2.5x2.2  
100 +50/-30%  
150Max.

4.5x3.2x2.3  
100 +50/-30%  
200Max.

for Ethernet

### AMCW-L Series

Wire Wound

NEW



AMCW3225L



AMCW4532L

### AMCW-G Series

Wire Wound

NEW



AMCW3225G

L x W x H (mm)  
Inductance  
@ 100KHz/0.1V (μH)  
Rated Current (mA)  
Application

3.2x2.5x2.2  
\*100 +50/-30%  
200 +50/-20%  
70-150  
\*: for A2B  
100Base-T1

4.5x3.2x2.3  
200 +50/-30%  
110Max.  
100Base-T1

3.2x2.5x2.2  
80+50/-25%  
100Max.  
1000Base-T1

for USB 2.0&HDMI 2.0

### AMCW-S Series

Wire Wound

NEW



AMCW2012S

L x W x H (mm)  
Common Impedance  
IZcl @100MHz/0.1V (Ω)  
Rated Current (mA)

2.0x1.27x1.2  
67-360  
280-400

## COMMON MODE CHOKE

for Power Line

### ARCDC Series

Customized

NEW



ARCDC646430



ARCDC483842



ARCDC606030

Application

3 Phase CMC

CMC

4 Phase CMC

## Wireless Charging Coil Assembly

### WIRELESS CHARGING COIL ASSEMBLY

Coil

### AMQK Series

Customized



AMQKRR503409

Rx

LxWxH (mm)

50x34x0.9

Application

for Automotive Key

### AMQC Series

Customized



AMQCTR1025750

Tx

LxWxH (mm)

102x57x4.3

Application

for Automotive

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