

# Catalog ATESYS MONTAUX

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## Applications

## Applications

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## Sommaire :

High voltage capacitors  
Pulse forming networks  
High voltage systems  
Single-phase transformers  
High voltage transformers  
Three-phase transformers  
Low and high frequencies transformers  
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Special products  
Electronics and electrotechnics for hazardous areas  
High voltage test area  
Temperature test chamber  
Moulding : Polyurethane UL94-V0 - Epoxy - Fire Smoke NF16-101

## High Voltage Capacitors

### Discharge : low frequency

Applications : Lightening Waves



Voltage : 9,5kV  
Capacitance : 0,2 $\mu$ F



V : 600V  
C : 0,47 $\mu$ F to 47 $\mu$ F

### Discharge : high frequency

Applications : Lithotripsy - Electroporation - Pulse Forming Network



V : 7,5kV  
C : 15 $\mu$ F



V : 10kV  
C : 1 $\mu$ F

**High voltage capacitors**

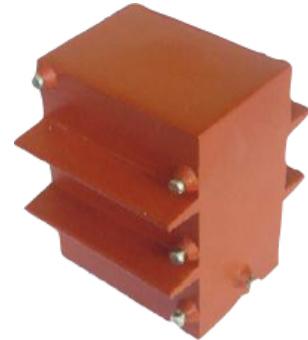
Applications : Rectified voltage filtering - Suppression of AC Component



V : 7kV  
C : 470nF



V: 25kV  
C : 9nF



V : 60kV  
C : 1nF

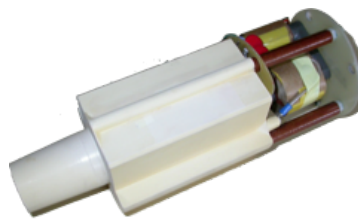
## High Voltage Pulse Forming Networks

Applications : Nuclear physics - Radars - Food (agri-business) - Medical



## High Voltage Systems

Applications : Regulating devices - Commutation - Filtrage

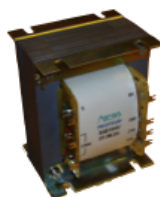


Input : 24V

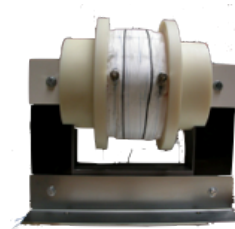
Output : 110kV

## Single-Phase Transformers

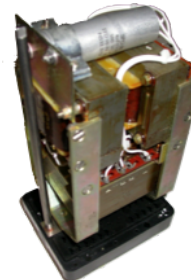
Applications : General purposes (voltage adaptations, etc...) - Autotransformers - Precision and measurement transformer - Insulation transformer - Current and measurement transformer



Primary : 230V, 50hz  
Secondary : 20V, 21V, 22V, 6A



P : 220V, 50hz  
S : 12V, 700VA  
Isol : 80kV DC

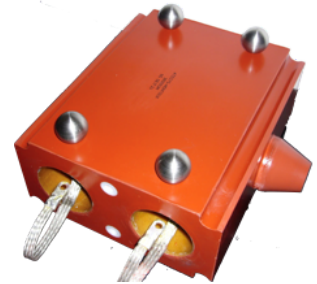
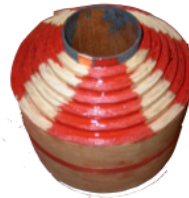
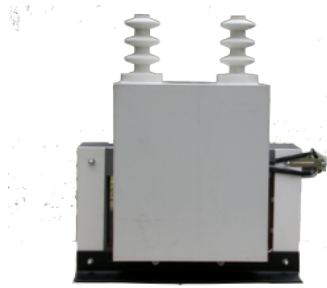


P : 1400V, 0-200hz  
S : 70V, 0,25VA



## High Voltage Transformers

Applications : High voltage generators - Capacitor loading - Lasers...

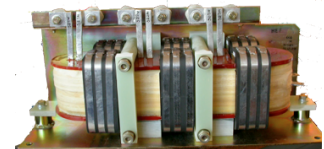
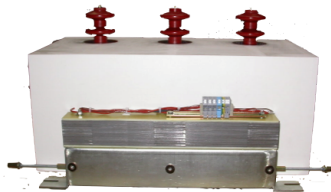


*P : 300V, 500Hz  
S : 300kV*

*P : 29kV  
S : 120kV*

## Three-Phase Transformers

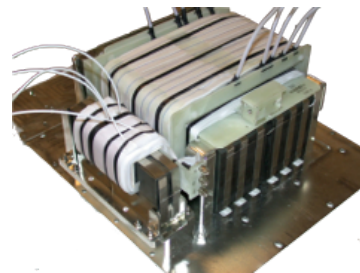
Applications : Voltage converting for special motors - Half bridge rectifier for AC/DC conversions with low ripple - Autotransformers - Insulation transformer



*P : 3x3000V, 50hz  
S : 3x400V, 15000VA*

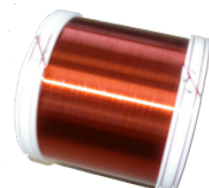
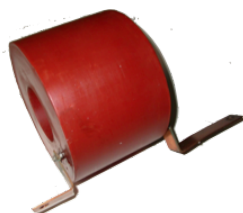
## Low and High Frequencies Transformers

Applications : Impedance transformers - Wide band transformers - Pulse transformers (thyristors driving, discharge-lamp driving)

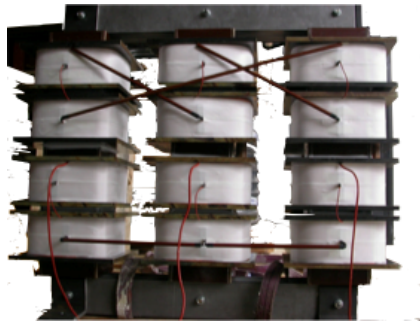


## Inductors

Applications : Filtering (rejection of ripple) - Energy storage - Phase control



## Special products



## Customs designed Industrial Electronics



[↑ haut de page](#)

## Electronics and Electrotechnics for hazardous areas

### High voltage test area



Applications : Capacitors - Resistors - Cable testing - Insulating plates

Test voltage : from 1kV to 140kV

### Temperature test chamber



Temperature : from -70°C to +180°C  
Capacity : 200 litres

## Moulding : Polyurethane UL94-VO - Epoxy - Fire Smoke NF16-101



## Products

### Capacitors

Capacitors range  
Quote request form

### Transformers

Transformers range  
Quote request form

### Coils / Inductance

Quote request form  
Coils / Inductance range

### Animal Monitoring

### Converters

### Systems integration

Electronic  
Electrotechnical

### Pulse Forming Networks

Quote request form

## Quote request form

|              |                      |                  |                      |
|--------------|----------------------|------------------|----------------------|
| Company :    | <input type="text"/> | Contact name : * | <input type="text"/> |
| Department : | <input type="text"/> | Phone :          | <input type="text"/> |
| Adress :     | <input type="text"/> | Fax :            | <input type="text"/> |
|              | <input type="text"/> |                  |                      |
| Area code :  | <input type="text"/> | Email : *        | <input type="text"/> |
| Location :   | <input type="text"/> |                  |                      |

#### Transformers specifications :

Application : \*

☐ Industrial ☐ Medical ☐ Railways ☐ Military

☐ Other :

Transformer : ☐ Single-Phase ☐ Three-Phase

Primary voltage :  V Power  VA

Secondary 1 voltage :  V Power  VA

Secondary 2 voltage :  V Power  VA

Secondary 3 voltage :  V Power  VA

Frequency  Hz

#### Insulation voltage between :

P / S  V ☐ DC ☐ AC

P / ground  V ☐ DC ☐ AC

P / ground  V ☐ DC ☐ AC

☐ Coil – Inductance

Inductance  ☐ H ☐ mH ☐ µH

Peak current :  A

DC or RMS current  A

Frequency

Insulation voltage between coil and ground : ☐ V ☐ DV ☐ AC

#### Mechanical characteristics :

Maximum case size (mm) :

Case material (Alu, Epoxy, Steel, PVC, Makrolon...) :

#### Miscellaneous :

Expected quantities :  pieces

Prototype desired : ☐ Yes ☐ No

Other :

\* : Fields required

## Contact

Master Chips  
Vlamingstraat 4  
8560 Wevelgem  
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info@masterchips.be



## Products

### Capacitors

Capacitors range  
[Quote request form](#)

### Transformers

Transformers range  
[Quote request form](#)

### Coils / Inductance

Quote request form  
[Coils / Inductance range](#)

### Animal Monitoring

### Converters

### Systems integration

Electronic  
 Electrotechnical

### Pulse Forming Networks

[Quote request form](#)

## Applications

### Contact

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 8560 Wevelgem  
 Tél : +32 56 22 36 73  
[info@masterchips.be](mailto:info@masterchips.be)

## Quote request form

In order to develop capacitors that best fits to your application, we would appreciate your care in filling out this form.

|              |                      |                  |                      |
|--------------|----------------------|------------------|----------------------|
| Company :    | <input type="text"/> | Contact name : * | <input type="text"/> |
| Department : | <input type="text"/> | Phone :          | <input type="text"/> |
| Adress :     | <input type="text"/> | Fax :            | <input type="text"/> |
|              | <input type="text"/> |                  |                      |
| Area code :  | <input type="text"/> | Email : *        | <input type="text"/> |
| Location :   | <input type="text"/> |                  |                      |

### Capacitors specifications :

Application : \*

☐ Industrial
 ☐ Medical
 ☐ Railways
 ☐ Military  
☐ Other :

Capacitance :  ☐  $\mu$ F ☐ nF ☐ pF  
 Test voltage :  kV DC  
 Voltage reversal :  %  
 Operating voltage :  kV ☐ DC ☐ AC  
 Peak current : (discharge)  A  
 RMS current : (DC Filtering)  A  
 Pulse width, Duty cycle :

Life time :  ☐ shots ☐ hours

Frequency :   
☐ Hz ☐ shots/sec. ☐ min. ☐ hours

Maximum inductance (ESL) :  nH

Maximum inductance (ESL) :  nH

Work temperature

Work temperature  nH

☐ Min ☐ Max

Storage temperature :

Discharge circuit :

Special tests :

### Mechanical characteristics :

Maximum case size (mm) :   
 Other specifications (Alu, Epoxy, Steel, PVC, Makrolon...) :

### Miscellaneous :

Expected quantities :  pieces

Prototype desired : ☐ Yes ☐ No

Other :

\* : Fields required