



Elettronica Rossoni

# **NANOCRYSTALLINE COMMON MODE SERIES**

**COMMUNICATION  
& ENTERTAINMENT  
ELECTRONICS**

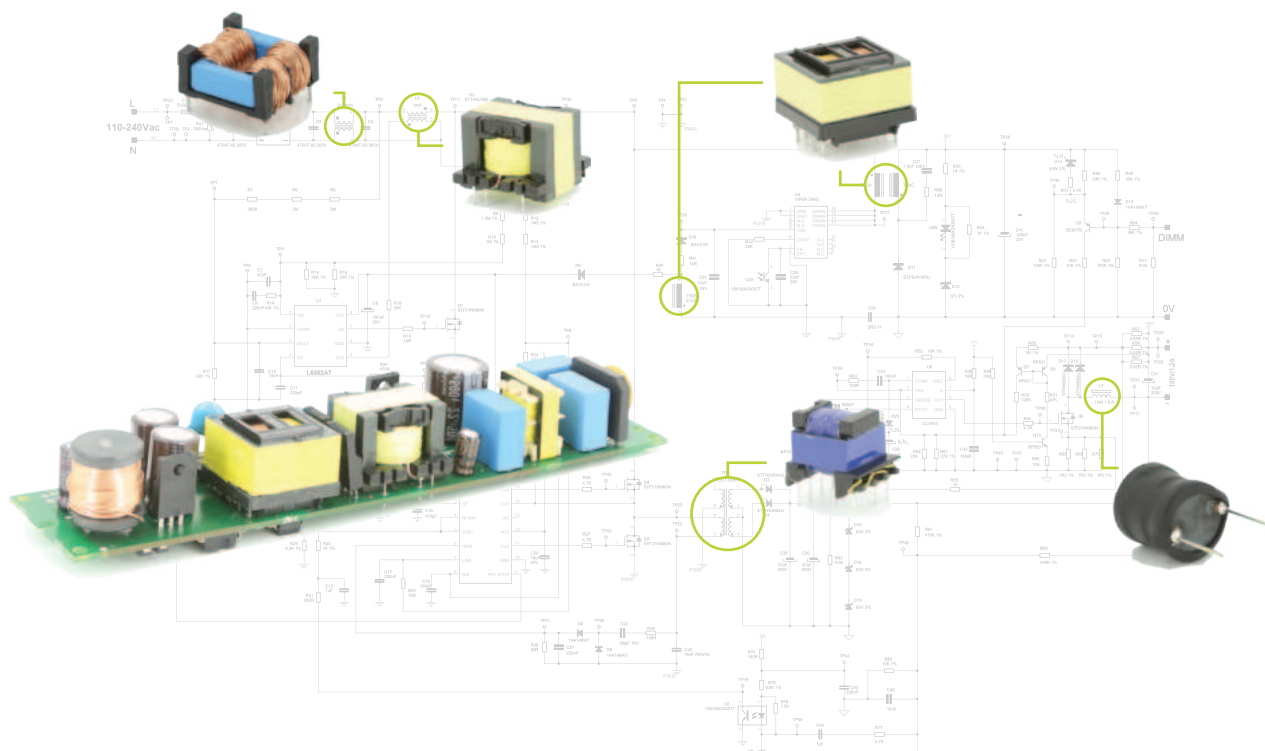
**INDUSTRIAL  
ELECTRONICS**

**CONSUMER  
ELECTRONICS**

**AUTOMATION  
TECHNOLOGY**

**LIGHTING  
TECHNOLOGY**





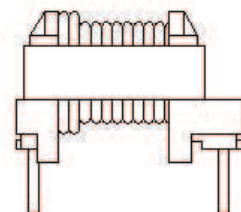
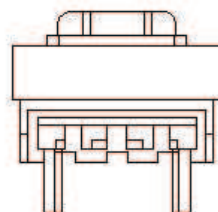
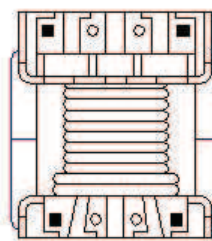
## Company Background

Elettronica Rossoni, established in 1988, has got excellent results in the field of wound components mainly utilized inside Lighting, Automotive, CCTV, Monitors, Power Supply, Battery Charger, Audio and Video Door Entry Systems and Household Appliances.

Activities growth together with propulsive push of new ideas and market requirements, have led to an increase of process automation by acquisition of sophisticated production lines, thus permitting to successfully enter the automotive components market with its needs of high reliability joined to very strict fault margins, typical of a sector characterized by very high production volumes and extremely low error tolerances.

In order to assure such a high reliability and quality standards the Company has introduced a Quality Assurance System which has been certified by CSICERT Homologation Institute according to Standard UNI EN ISO 9001:2000, and is continuously monitoring and improving it.

Elettronica Rossoni Group with its facilities occupy an area of around 5000 sqm over a total property of 10000 sqm employing a manpower of 255.



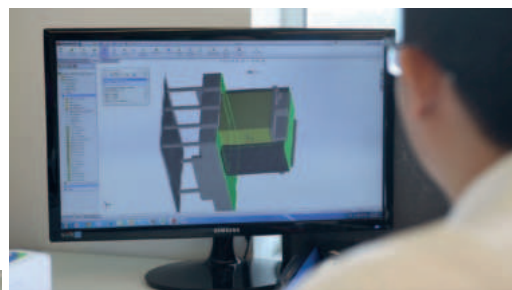
## Quality Control

Elettronica Rossoni S.r.l. 's Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l. has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2008, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

- Verify periodically the results of planned Quality-Indicators referred to company processes;
- Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;
- Keep updated our personnel and their operative processes according to reference laws and regulations;
- Expand our productive capacity in China to enhance our market competitiveness;
- Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.

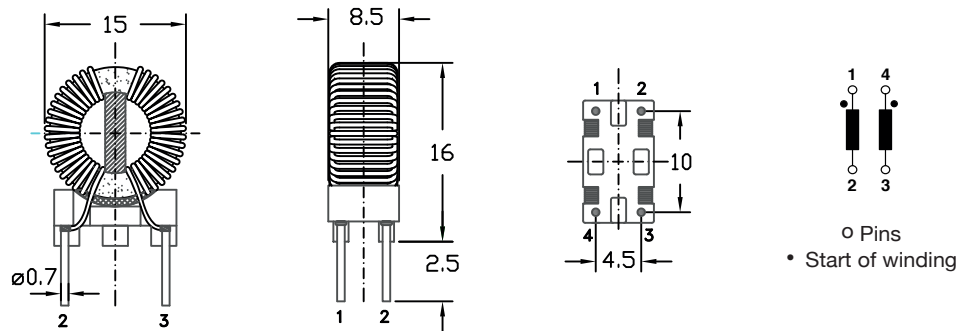


Current 0.9 to 4.5A

www.elettronicarossoni.com

Max Dimensions in mm  
Pins are tinned  
Pins distance tolerances $\pm 0.2\text{mm}$

ERM9108, ERM9109, ERM9110



Types

Code	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding $\Omega$
ERM9108	4.5	0.4	0.022
ERM9109	1.3	5	0.2
ERM9110	0.9	11	0.43

Technical Data

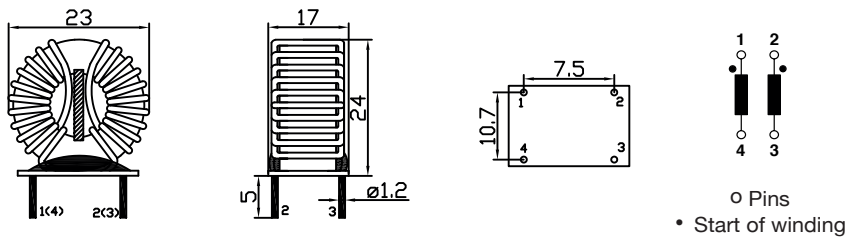
Rated current:	$\Delta T \leq 40^{\circ}\text{C}$ ambient temperature
Operating voltage:	250Vac - 50Hz
Rated inductance:	at $+20^{\circ}\text{C}$ and 10kHz, 0.1mA
Inductance tolerance:	$+50 - 30\%$
Testing voltage:	1500V - 50Hz, 2 sec, winding to winding
Operating temperature range:	$-40$ to $+125^{\circ}\text{C}$ , including self temperature raise
DC resistance:	at $+20^{\circ}\text{C}$
Approx. weight:	3g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

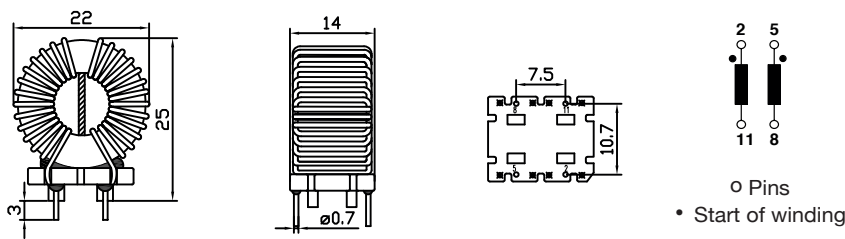


Max Dimensions in mm  
Pins are tinned  
Pins distance tolerances $\pm 0.2$ mm

ERM9607



ERM9608, ERM9609



Types

Code	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding $\Omega$
ERM9607	15	1	0.0033
ERM9608	5	9	0.028
ERM9609	2.5	33	0.09

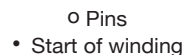
Technical Data

Rated current:	$\Delta T \leq 40^{\circ}\text{C}$ ambient temperature
Operating voltage:	250Vac - 50Hz
Rated inductance:	at $+20^{\circ}\text{C}$ and 10kHz, 0.1mA
Inductance tolerance:	$+50 - 50\%$
Testing voltage:	1500V - 50Hz, 2 sec, winding to winding
Operating temperature range:	$-40$ to $+125^{\circ}\text{C}$ , including self temperature raise
DC resistance:	at $+20^{\circ}\text{C}$
Approx. weight:	9.2g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

Pins distance tolerances  $\pm 0.2\text{mm}$

ERMA718, ERMA719

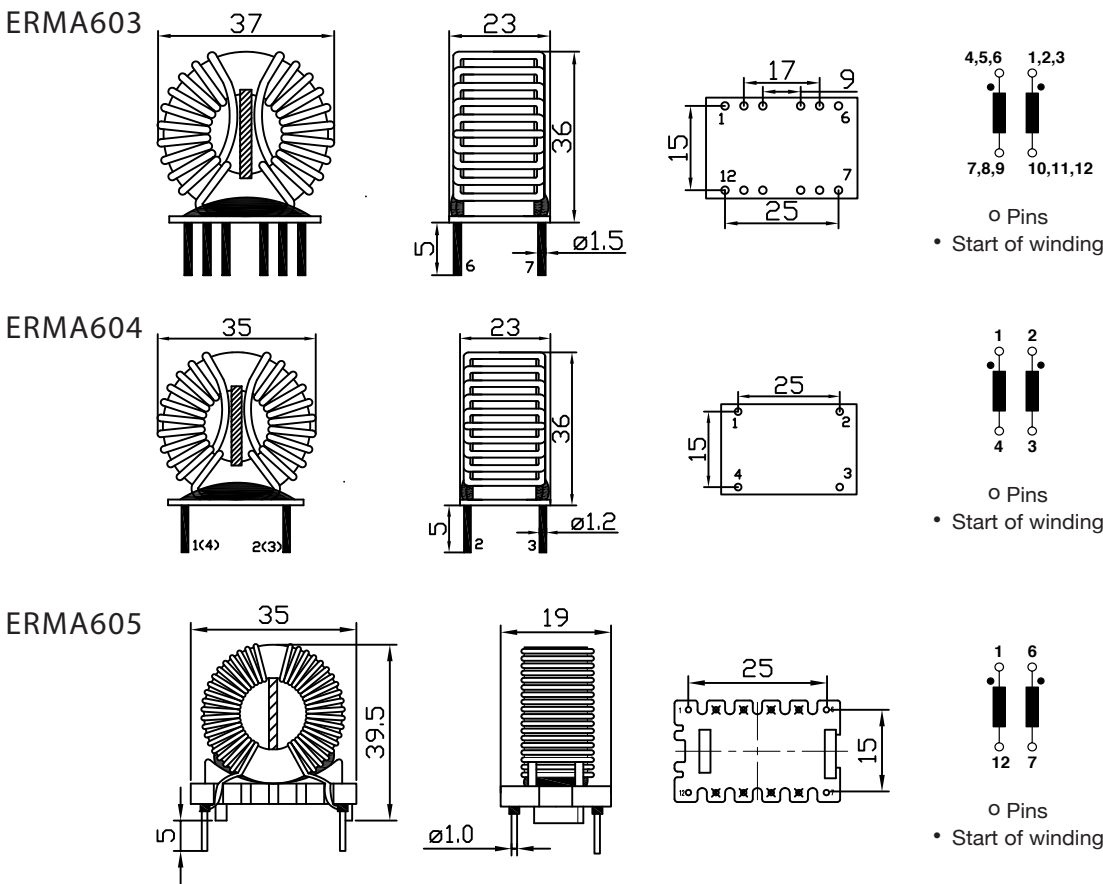


Code	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding Ω
ERMA718	20	1	0.0024
ERMA719	7	7	0.02
ERMA720	2.5	82	0.17

Rated current:	$\Delta T \leq 40^{\circ}\text{C}$ ambient temperature
Operating voltage:	250Vac - 50Hz
Rated inductance:	at $+20^{\circ}\text{C}$ and 10kHz, 0.1mA
Inductance tolerance:	+50 - 30%
Testing voltage:	1500V - 50Hz, 2 sec, winding to winding
Operating temperature range:	$-40$ to $+125^{\circ}\text{C}$ , including self temperature raise
DC resistance:	at $+20^{\circ}\text{C}$
Approx. weight:	21g

05

Max Dimensions in mm  
Pins are tinned  
Pins distance tolerances±0.2mm



Types

Code	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding Ω
ERMA603	32	0.9	0.0011
ERMA604	10	12	0.015
ERMA605	2	190	0.31

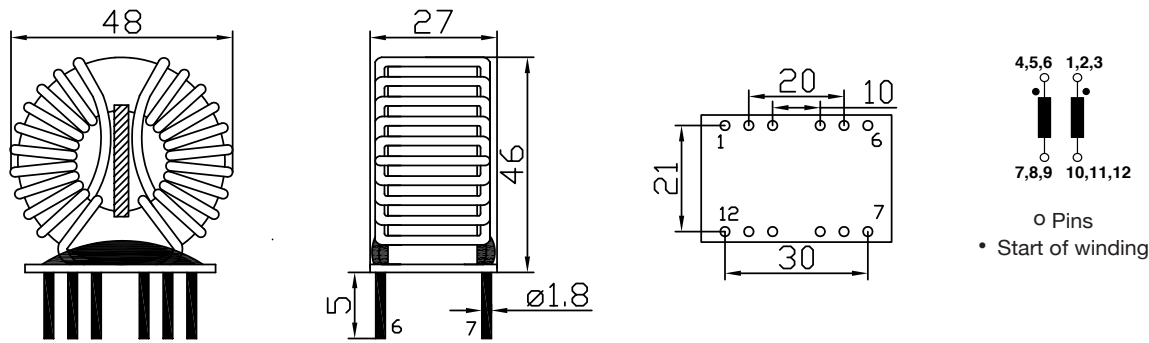
Technical Data

Rated current:	$\Delta T \leq 40^{\circ}\text{C}$ ambient temperature
Operating voltage:	250Vac - 50Hz
Rated inductance:	at $+20^{\circ}\text{C}$ and 10kHz, 0.1mA
Inductance tolerance:	$+50 - 30\%$
Testing voltage:	1500V - 50Hz, 2 sec, winding to winding
Operating temperature range:	$-40$ to $+125^{\circ}\text{C}$ , including self temperature raise
DC resistance:	at $+20^{\circ}\text{C}$
Approx. weight:	50g

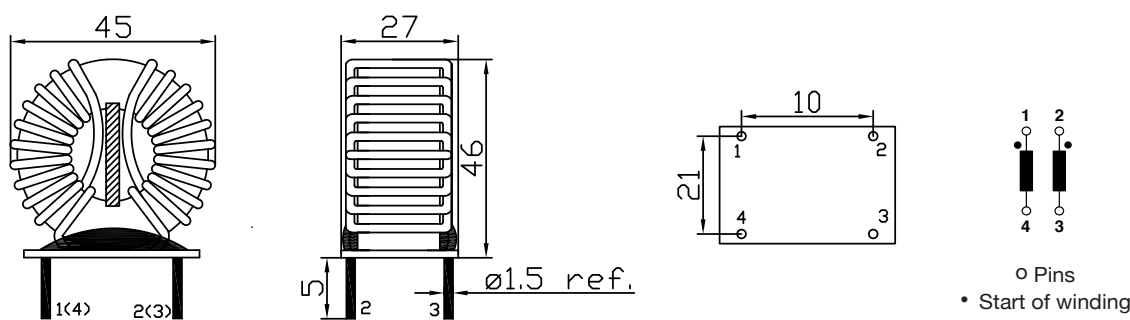
The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

Max Dimensions in mm  
Pins are tinned  
Pins distance tolerances±0.2mm

ERMA903



ERMA904, ERMA905



Types

Code	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding Ω
ERMA903	38	1.5	0.0023
ERMA904	13	9	0.015
ERMA905	5	35	0.09

Technical Data

Rated current:	ΔT≤40°C ambient temperature
Operating voltage:	250Vac - 50Hz
Rated inductance:	at +20°C and 10kHz, 0.1mA
Inductance tolerance:	+50 - 30%
Testing voltage:	1500V - 50Hz, 2 sec, winding to winding
Operating temperature range:	-40 to +125°C, including self temperature raise
DC resistance:	at +20°C
Approx. weight:	92g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.



## Providing SOLUTION is our APTITUDE



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