



Electronica Rossoni

HIGH CURRENT COMMON MODE SERIES

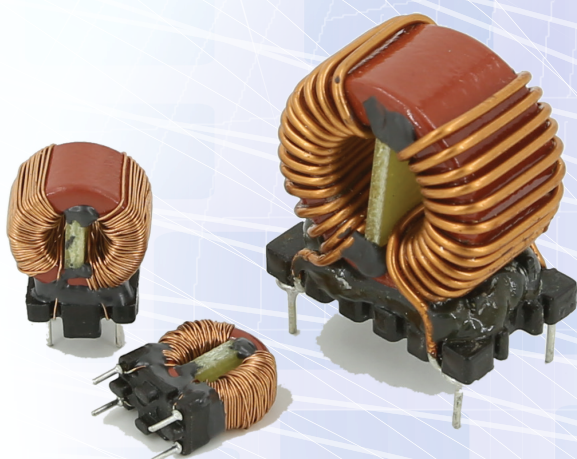
COMMUNICATION
& ENTERTAINMENT
ELECTRONICS

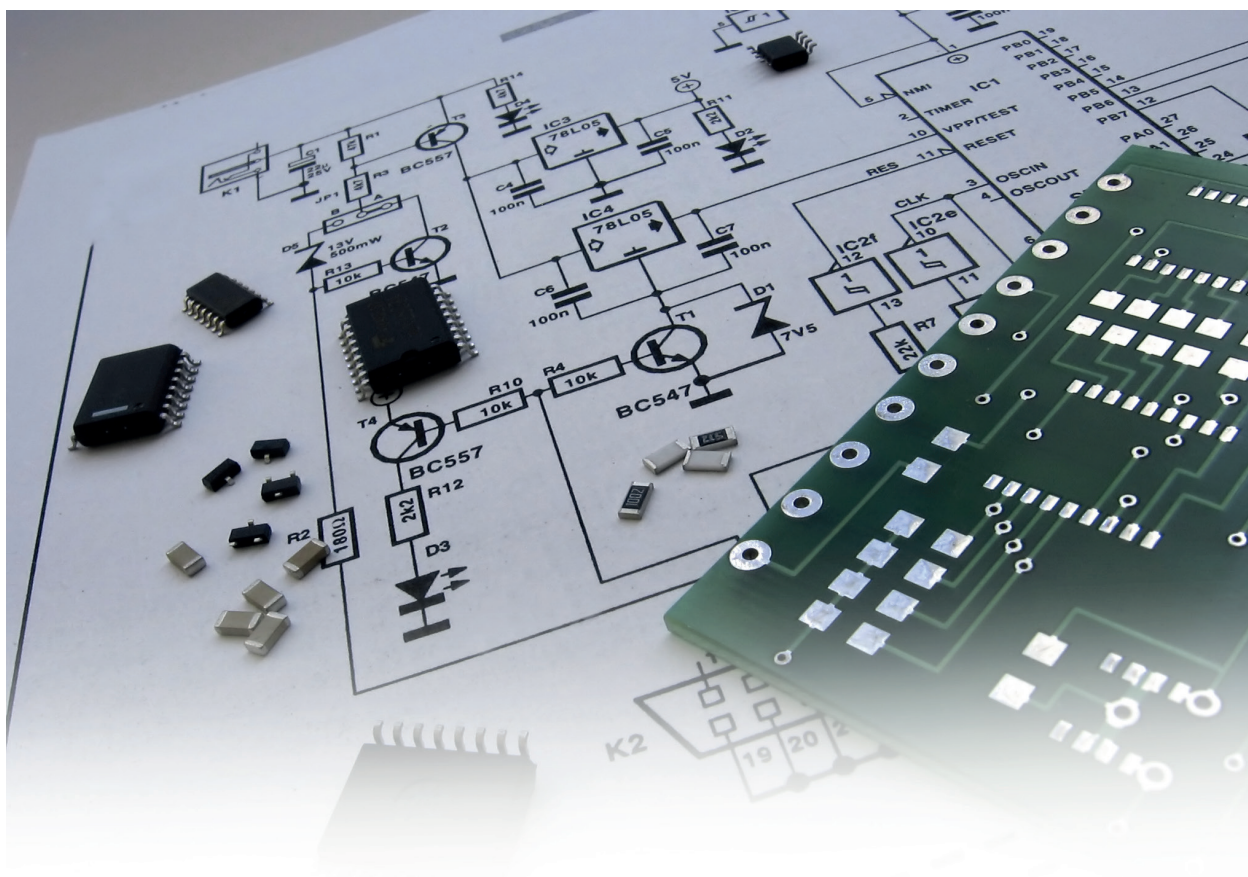
INDUSTRIAL
ELECTRONICS

CONSUMER
ELECTRONICS

AUTOMATION
TECHNOLOGY

LIGHTING
TECHNOLOGY

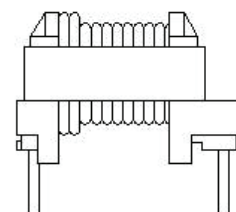
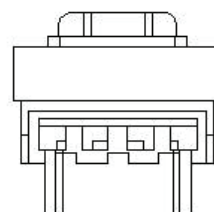
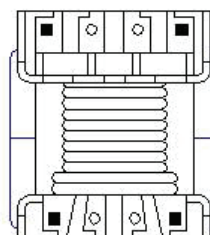




Company Background

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.

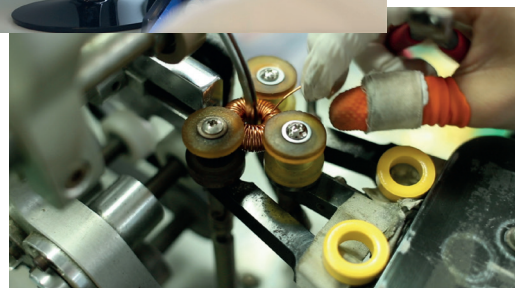
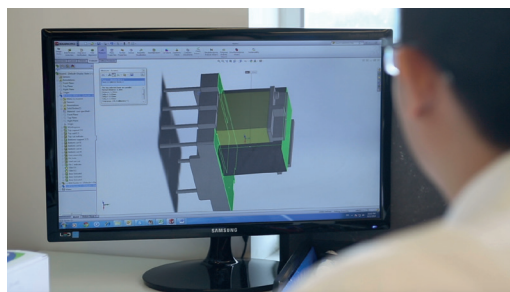
Elettronica Rossoni S.r.l. has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.



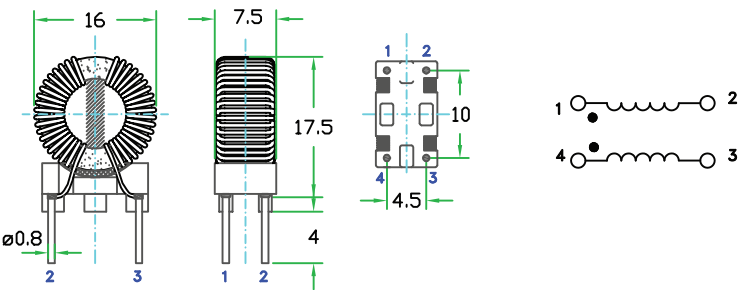
The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

- 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.



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



Types

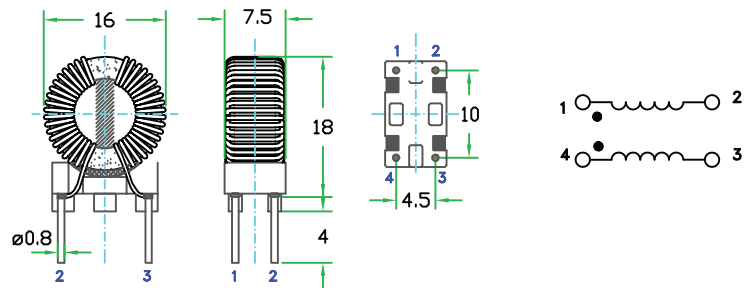
Code	Rated current per winding A	Reated inductance per winding mH	DC resistance per winding (typical) mΩ
ERHC13V4000N	4	0.014	0.015
ERHC13V3000N	3	0.03	0.026
ERHC13V2000N	2	0.047	0.04
ERHC13V1500N	1.5	0.1	0.08

Technical Data

Rated current:	referred to 250V - 50Hz and +60°C ambient temperature
Rater inductance:	at +20°C and 10kHz, 5mA
Inductance tolerance:	+50 - 30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500V - 50Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Deration operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115°C
Approx. weight:	3.7g

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



Types

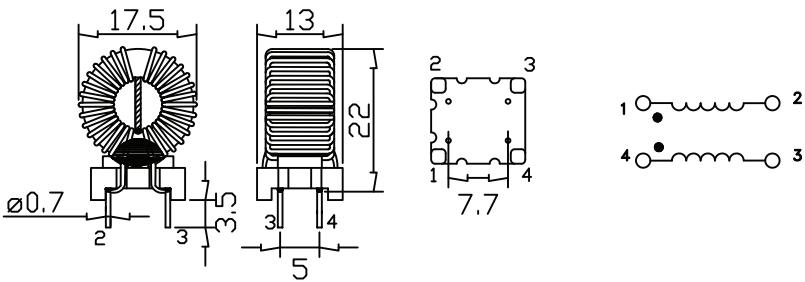
Code	Rated current per winding A	Reated inductance per winding mH	DC resistance per winding (typical) mΩ
ERHC14V2000	2	1	0.045
ERHC14V1000	1	5	0.2
ERHC14V0700	0.7	10	0.35
ERHC14V0500	0.5	20	1
ERHC14V0300	0.3	39	3

Technical Data

Rated current:	referred to 250V - 50Hz and +60°C ambient temperature
Rater inductance:	at +20°C and 10kHz, 0.1mA
Inductance tolerance:	+50 - 30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500V - 50Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Deration operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115°C
Approx. weight:	3.5g

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 ± 0.2 mm



Types

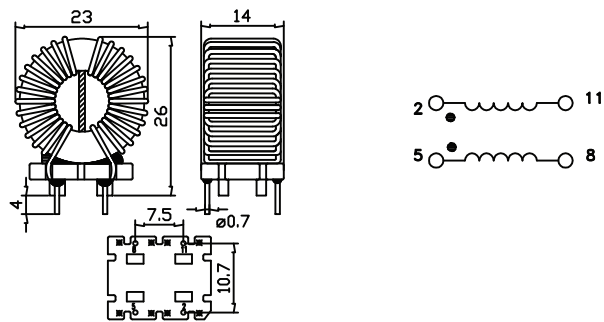
Code	Rated current per winding A	Reated inductance per winding mH	DC resistance per winding (typical) m Ω
ERHC15V3000	3	1	0.035
ERHC15V2001	2	2.2	0.07
ERHC15V1500	1.5	3.3	0.12
ERHC15V1001	1	10	0.36
ERHC15V0501	0.5	20	0.54

Technical Data

Rated current:	referred to 250V - 50Hz and +60°C ambient temperature
Rater inductance:	at +20°C and 10kHz, 0.1mA
Inductance tolerance:	+50 - 30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500V - 50Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Deration operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115°C
Approx. weight:	7.6g

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



Types

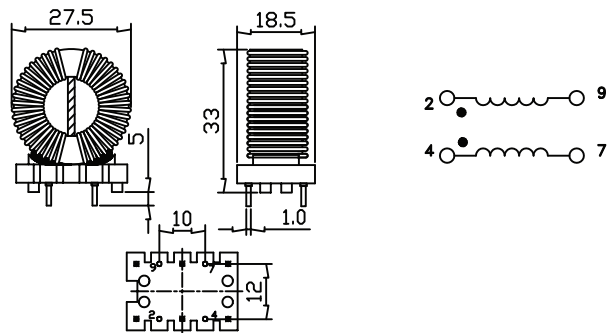
Code	Rated current per winding A	Reated inductance per winding mH	DC resistance per winding (typical) mΩ
ERHC18V6000	6	1	0.013
ERHC18V4000	4	2.2	0.03
ERHC18V2500	2.5	3.3	0.06
ERHC18V2000	2	10	0.125
ERHC18V1500	1.5	20	0.27

Technical Data

Rated current:	referred to 250V - 50Hz and +60°C ambient temperature
Rater inductance:	at +20°C and 10kHz, 0.1mA
Inductance tolerance:	+50 - 30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500V - 50Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Deration operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115°C
Approx. weight:	16g

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



Types

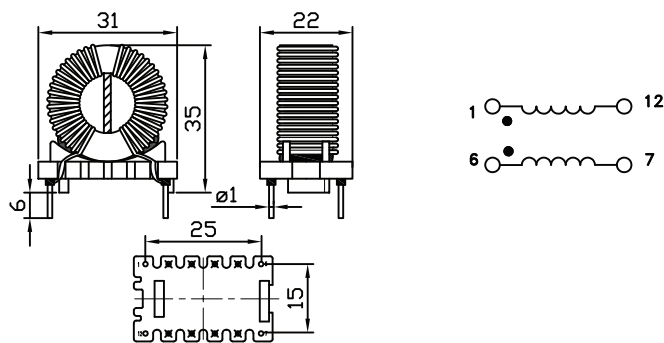
Code	Rated current per winding A	Reated inductance per winding mH	DC resistance per winding (typical) mΩ
ERHC22VA000	10	1	0.007
ERHC22V6000	6	2.2	0.02
ERHC22V4000	4	3.3	0.035
ERHC22V3000	3	10	0.105
ERHC22V2000	2	20	0.22

Technical Data

Rated current:	referred to 250V - 50Hz and +60°C ambient temperature
Rater inductance:	at +20°C and 10kHz, 0.1mA
Inductance tolerance:	+50 - 30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500V - 50Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Deration operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115°C
Approx. weight:	30g

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



Types

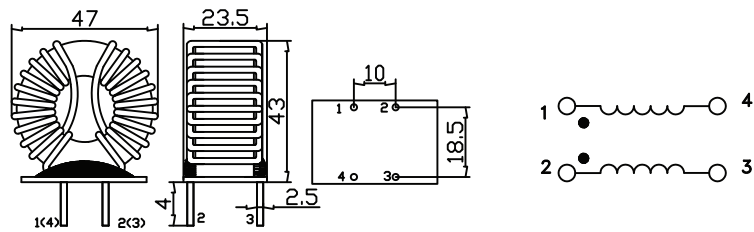
Code	Rated current per winding A	Reated inductance per winding mH	DC resistance per winding (typical) mΩ
ERHC25VA200	12	1	0.009
ERHC25V6000	6	3.3	0.025
ERHC25V5000	5	10	0.055
ERHC25V3000	3	20	0.16
ERHC25V3001	3	33	0.21

Technical Data

Rated current:	referred to 250V - 50Hz and +60°C ambient temperature
Rater inductance:	at +20°C and 10kHz, 0.1mA
Inductance tolerance:	+50 - 30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500V - 50Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Deration operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115°C
Approx. weight:	42g

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



Types

Code	Rated current per winding A	Reated inductance per winding mH	DC resistance per winding (typical) mΩ
ERHC36VC500	35	0.5	0.0023
ERHC36VB500	25	1	0.0045
ERHC36VB000	20	1.3	0.0062
ERHC36VA400	14	1.8	0.0095

Technical Data

Rated current:	referred to 250V - 50Hz and +60°C ambient temperature
Rater inductance:	at +20°C and 10kHz, 0.1mA
Inductance tolerance:	+50 - 30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500V - 50Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Deration operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115°C
Approx. weight:	30g

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



AVROSS ELETTRONICA s.r.l

com.BRAZI, Sat NEGOIESTI Z.I.DIB
jud, PRAHOVA Romania

Tel: 0039 0293549707

Fax: 0039 0293549333

Email: info@elettronicarossoni.it

Manpower: 90



ELETTRONICA ROSSONI CHINA LTD

LongShan 5 Road,
XiangShuiHe Industry District
DaYaWan, HuiZhou, Guangdong, China

Tel: 00852 35635480

Email: info@elettronicarossoni.hk

Manpower: 140



DONG GUAN ER ELECTRONICS CO., LTD

No. 194 Xin Feng Xi Road, Si Cun,
Shi Jie Town, Dongguan City, Guangdong,
P.R. China 523305

Email: info@elettronicarossoni.hk



ELETTRONICA ROSSONI

Via Europa, 35/A 20010 Pogliano
Milanese (MI) - Italy PI e Cod
10459790159

Tel: 0039 02 93549707

Tel: 0039 02 93549653

Fax: 0039 02 93549333

Email: info@elettronicarossoni.it

Manpower: 25



ELETTRONICA ROSSONI HK LTD

Room 4, 5/F, Eastern Harbour Centre
28 Hoi Chak Street, Quarry Bay
Hong Kong

Tel: 00852 35635480

Email: info@elettronicarossoni.hk

Manpower: 6



Elettronica Rossoni

www.elettronicarossoni.com