

# TOROID 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.

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# **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.

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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

Horizontal	Vertical	Rated current per winding A	Reated inductance	DC resistance per winding (typical) mΩ
Code	Code		per winding mH	
	ERCT13V0300	0.3	47	2000
	ERCT13V0400	0.4	39	1700
ERCT13H0401	ERCT13V0401	0.4	27	1200
	ERCT13V0700	0.7	10	550
ERCT13H1000	ERCT13V1000	1	6.8	300
	ERCT13V1500	1.5	3.3	150
	ERCT13V2002	2	1	60
ERCT13H2003		2	2.2	105
	ERCT13V3600	3.6	0.4	25
ERCT13H4000		4	0.7	27

### **Technical Data**

Rated current: Rater inductance: Inductance tolerance: Inductance loss: Testing voltage: Climatic category: DC resistance: Deration operating current: Overtemperature of windings: Max. permissible temperature of windings: Approx. weight:

referred to 250V - 50Hz and +60°C ambient temperature at +20°C and 10kHz, 0.1mA +50 - 30% < 10% at DC initial loading with IR 1500V - 50Hz, 2 sec, winding to winding DIN GKC (-40 to +125°C; humidity cat. C) at +20°C at +120°C ambient temperature I=0 < 55°C 115°C 10g

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

Horizontal	Vertical	Rated current per winding A	Reated inductance	DC resistance
Code	Code		per winding mH	(typical) mΩ
ERCT16H0400	ERCT16V0400	0.4	47	2000
	ERCT16V0601	0.6	27	700
	ERCT16V1201	1.2	12	280
	ERCT16V1300	1.3	10	250
ERCT16H1500		1.5	6.8	160
ERCT16H2000	ERCT16V2000	2	2.2	60
	ERCT16V2001	2	3.3	75
	ERCT16V2002	2	4.2	120
	ERCT16V3000	3	1	40
	ERCT16V4700	4.7	0.7	20

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



# Types

Horizontal	Vertical	Rated current per winding A	Reated inductance	DC resistance
Code	Code		per winding mH	(typical) mΩ
	ERCT20V0601	0.6	50	1000
	ERCT20V0800	0.8	33	850
ERCT20H1000		1	27	640
	ERCT20V1900	1.9	10	180
ERCT20H2000		2	5.6	160
	ERCT20V3000	3	2.7	50
	ERCT20V3001	3	4	70
	ERCT20V6000	6	1.8	25

### **Technical Data**

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# 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 Poglian 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



www.elettronicarossoni.com