ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *TDK ZRCT4030-ME* at our website: *Click HERE*

TDK

EMC Filters for AC Power Line
For Triple-phase, Large-size Box Cased ZRCT-ME Series

Conformity to RoHS Directive

FEATURES

- The ZRCT-ME series employ a highly efficient thermal design, which ensures high current handling capacity in a compact package with superior EMC suppression characteristics.
- They are highly effective at preventing both the radiation and penetration of EMC noise. The parts are, therefore, highly immune to externally generated noise and do not, themselves, serve as sources of radiated noise.
- For the CISPR frequency band, this product provides superior attenuation for both differential mode and common mode noise components.
- The withstand voltage between line and ground is AC.2000V.
- Single-direction block terminal design simplifies wiring requirements, thereby improving workflow.
- It is a product conforming to RoHS directive.

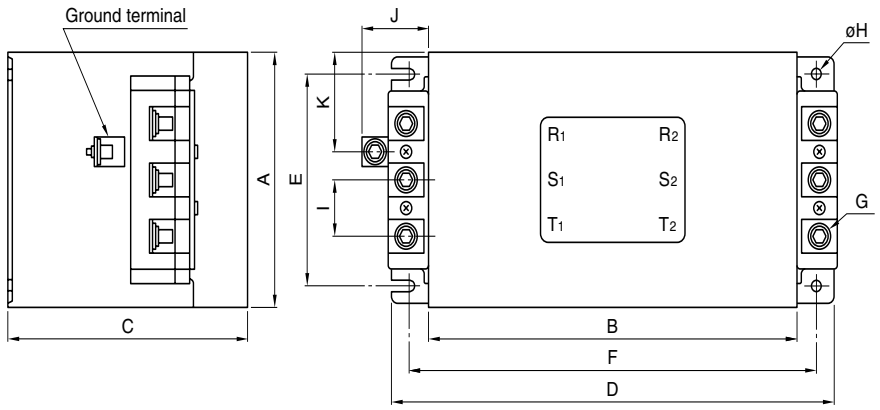
SAFETY STANDARDS

Part No.	Rated voltage	Standard and standard No.	
		Canada	Europe
		CSA	NEMKO
		CSA C22.2 No.8	EN133200
ZRCT2XXX-ME	250V	LR76849C	P04203377
ZRCT4XXX-ME	440V		P04203376

APPLICATIONS

Computers, general purpose inverters, UPE (uninterruptible power equipment), computer control devices, NC control devices, etc. Highly recommended for large equipment destined for CE countries, where compliance with EMC radiation standards is required as part of CE marking certification.

SHAPES AND DIMENSIONS





Dimensions in mm

Part No.	A	B	C	D	E	F	G	øH	I	J	K
ZRCT2030-ME 4030-ME	120	200	130	240	100	220	M6	5.5	27.5	34	(46.3)*
ZRCT2050-ME 4050-ME	150	275	160	325	120	305	M6	6.5	27.5	34	(66.3)
ZRCT2080-ME 4080-ME	170	350	180	400	140	380	M8	6.5	34	45	(78)
ZRCT2100-ME 4100-ME	170	350	180	400	140	380	M8	6.5	34	45	(78)

* ( ) : Reference value

- Case : metal, terminel cover : chloride vinyl plastic plate
  Terminal : bolt with recessed screw head for 30 to 100A types, ø3mm punching holes to metal cover surface for 100A type.

- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

ELECTRICAL CHARACTERISTICS

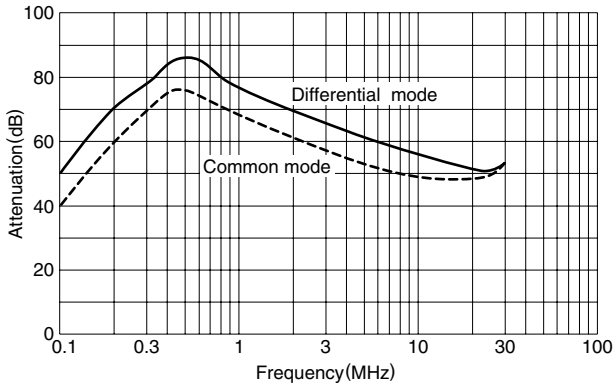
Part No.		ZRCT2030-ME ZRCT4030-ME	ZRCT2050-ME ZRCT4050-ME	ZRCT2080-ME ZRCT4080-ME	ZRCT2100-ME ZRCT4100-ME
Rated voltage Eac(V)*		250/440	250/440	250/440	250/440
Rated current(A)		30	50	80	100
Test voltage Eac(V)[Between terminal and case]		2000	2000	2000	2000
Insulation resistance(MΩ) [DC. 500V, 1min/between terminal and case]		100min.	100min.	100min.	100min.
Leakage current(mA)[250V • 60Hz/440V • 60Hz]		1.5max./ 3.5max.	1.5max./ 3.5max.	1.5max./ 3.5max.	1.5max./ 3.5max.
DC resistance(mΩ) or voltage down(V)		20mΩ max.	15mΩ max.	7mΩ max.	1.5V max.
Operating temperature range(°C) [Including self-temperature rise]		–25 to +85	–25 to +85	–25 to +85	–25 to +85
With derating over(°C)		45	45	45	45
Temperature rise(°C)		40max.	40max.	40max.	40max.
Attenuation frequency range (MHz)[+5 to +35°C]	Differential mode at 40dB	0.15 to 10	0.15 to 10	0.15 to 8	0.15 to 8
	Common mode at 40dB	0.15 to 10	0.15 to 10	0.15 to 8	0.15 to 8
Weight(kg)		4.5	10	18	20

* ZRCT2XXX-ME(ZRCT2030-ME etc.) for 250V, ZRCT4XXX-ME(ZRCT4030-ME etc.) for 440V.

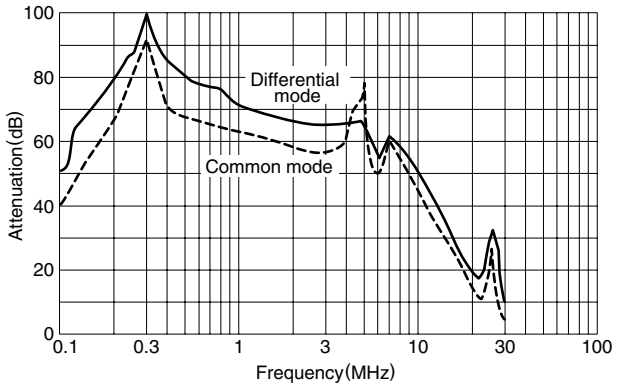
TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS

ZRCT4030-ME

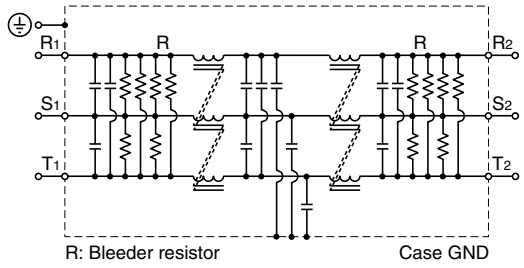


ZRCT4100-ME

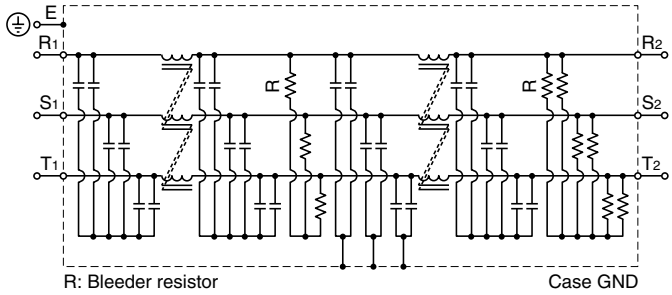


CIRCUIT DIAGRAMS

ZRCT2XXX-ME (250V)



ZRCT4XXX-ME (440V)



• All specifications are subject to change without notice.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP