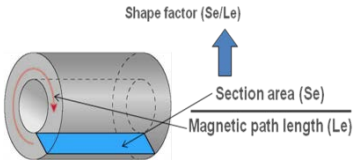
Ferrite Cores, Tiles, and Sheets

RoHS Compliant

1. Shape factor (Se/Le): the larger the shape factor, the higher the impedance. If there is 1 turn through the ferrite, a snug fit and longer core is recommended (space permitting).
2. Adjust the ferrite core's position to target the antinode of the problem frequency.
3. Impedance performance can be increased by turning the cable around the core.

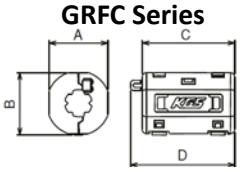


ROUND CABLE CORES: Split Type

G Ferrite Core – nickel-free

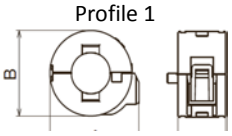
RFCK2-20
(w/ mounting tab)

GRFC Series

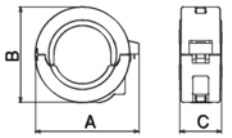


GTFC Series

Profile 1

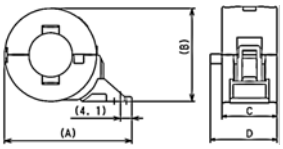


Profile 2

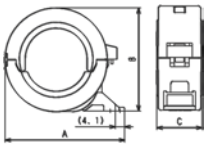


GTFCK Series

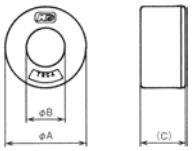
Profile 1



Profile 2



GTRCA Series



Unit: mm

GRFC Series

PART NO.	Profile	A	B	C	D	Applicable Cable Diameter	Impedance Ω/100MHz (1Turn)
GRFC-3	N/A	13.7	13.5	18.0	-	3.0 ~ 4.0	≥35
GRFC-4	N/A	13.7	13.5	27.5	-	3.5 ~ 4.5	≥75
GRFC-5	N/A	18.1	18.4	31.5	35.5	4.5 ~ 5.5	≥100
GRFC-6	N/A	18.1	18.4	31.5	35.5	5.5 ~ 6.5	≥100
GRFC-7	N/A	14.25	15.8	20.0	24.0	7.0 MAX	≥45
GRFC-8	N/A	20.1	20.4	31.5	35.5	7.5 ~ 8.5	≥75
GRFC-9	N/A	20.1	20.4	31.5	35.5	8.5 ~ 9.5	≥75
GRFC-10	N/A	26.3	26.4	32.4	37.2	9.5 ~ 10.5	≥105
GRFC-13	N/A	29.1	29.4	31.5	36.3	12.5 ~ 13.5	≥95

RFC Series

RFC-H13	N/A	31.7	29.4	41.0	-	12.5 ~ 13.5	≥170
RFC-20	N/A	40.0	40.0	47	-	20 MAX	≥180
RFCK2-20 (RFC-20 with mount tab)	N/A	40.0	40.0	47	-	20 MAX	≥180

GTFC Series

GTFC-16-8-13	1	22.3	20.1	18.9	-	7.2 MAX	≥ 45
GTFC-16-8-16	1	22.3	20.1	21.9	-	7.2 MAX	≥ 55
GTFC-20-10-10	1	27.1	24.9	16.0	-	8.5 MAX	≥ 40
GTFC-23-11-14	1	30.5	28.3	20.2	-	10.5 MAX	≥ 55
GTFC-25-15-12	1	31.1	28.9	17.8	-	13.0 MAX	≥ 40
GTFC-28-16-13	1	35.1	32.9	18.8	-	14.7 MAX	≥ 50
GTFC-28-16-20	1	35.1	32.9	25.8	-	14.7 MAX	≥ 70
GTFC-41-27-16	2	48.2	44.5	19.6	-	26.0 MAX	≥ 50

GTFCK Series

GTFCK-16-8-13	1	32.5	20.4	18.9	22.9	7.2 MAX	≥ 45
GTFCK-16-8-16	1	32.5	20.4	21.9	25.9	7.2 MAX	≥ 55
GTFCK-20-10-10	1	37.1	24.9	16.0	20.0	8.5 MAX	≥ 40
GTFCK-23-11-14	1	40.5	28.3	20.2	24.2	10.5 MAX	≥ 55
GTFCK-25-15-12	1	41.2	28.9	17.8	21.8	13.0 MAX	≥ 40
GTFCK-28-16-13	1	45.3	32.9	18.8	22.8	14.7 MAX	≥ 50
GTFCK-28-16-20	1	45.3	32.9	25.8	29.8	14.7 MAX	≥ 70
GTFCK-41-27-16	2	51.8	44.5	19.6	-	26.0 MAX	≥ 50

GTRCA Series

GTRCA-20-10-10	N/A	22.6	8.2	13.3	-		≥ 45
GTRCA-25-15-12	N/A	27.3	12.8	15.2	-		≥ 40

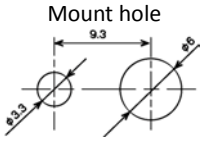
GTFCR Series

GTFCR-16-8-16	1	35.8	20.1	16.3	21.9	7.2 MAX	≥ 55
GTFCR-41-27-16	2	55.2	44.5	23.6	19.6	26 MAX	≥ 50

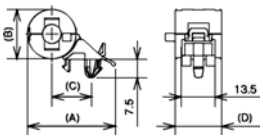
Operating temperature: -40 ~ 85°C

GTFCR Series

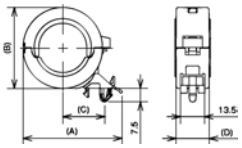
Mount hole



Profile 1



Profile 2



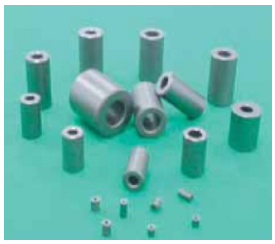
KITAGAWA INDUSTRIES America, Inc.
2325 Paragon Drive, Suite 10, San Jose, CA 95131
Tel: (408) 971-2055 Fax: (408) 971-6033
www.kgs-ind.com

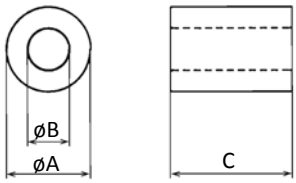
All statements, technical information, and recommendations herein are based on tests and are believed to be reliable, but the accuracy and completeness are not guaranteed and are subject to change without notice due to product improvement and specification change. The following is made in lieu of all warranties, expressed or implied, including the implied warranties of marketability and fitness for purpose. KITAGAWA INDUSTRIES America, Inc. obligation under this warranty shall be limited to replacement of product that proves to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. KITAGAWA INDUSTRIES America, Inc. shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

The specifications and properties regarding performance above are not guaranteed, and are subject to change without notice due to product improvement and specification change. While our absorbers are electrically non-conductive, usage directly on the PC Board near the power should be carefully checked. KITAGAWA INDUSTRIES America, Inc. makes no guarantees as to electrical resistivity values and accepts no liability due to short circuits where EMI absorbers are used directly on a PC Board. The products are designed for EMI noise reduction for electronics. This is not recommended to use for applications involving human life or extremely high accuracy. Prior to your usage of the products in production, please verify their performance of EMI noise absorption or adhesive strength of PSA for long term use. Avoid applying any external stress such as bending or high amounts of tension. Note that when the absorber products are cut, bent or pulled, there might be some possibility of creating cracks. For storage of the products keep them in cool and dry rooms at ambient temperature avoiding high temperatures, humidity, and direct sunlight. Keep in a cool, dry, well ventilated place.

ROUND CABLE CORES: One-Piece Type G Ferrite Core – nickel-free

GRI Series





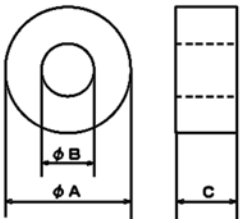
GRI Series

Unit: mm

Part No.	A	B	C	Impedance Ω/100MHz (1Turn)
GRI-3-4-1	3	1	4	≥25
GRI-3.5-3.5-1.2	3.5	1.2	3.5	≥25
GRI-3.5-7-1.2	3.5	1.2	7	≥40
GRI-4-5-1.5	4	1.5	5	≥30
GRI-11-18-5	11	5	18.5	≥85
GRI-11-20-5	11	5	20	≥90
GRI-11-25-5	11	5	25	≥105
GRI-12-16-8.5	12	8.5	16	≥35
GRI-12.3-20-7	12.3	7	20	≥70
GRI-14-28-6	14.3	6.3	28.6	≥130
GRI-16-20-7	16	7	20	≥95
GRI-16-28-7	16	7	28	≥130
GRI-16-28-8	16	8	28	≥115
GRI-16-28-9	16	9	28	≥95
GRI-17.5-28.5-10.7	17.5	10.7	28.5	≥85
GRI-18-28-10	18	10	28	≥100
GRI-26-28-13	26	13	28	≥120

Operating temperature: -40 ~ 85°C

GTR Series



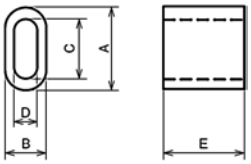
GTR Series

Unit: mm

Part No.	A	B	C	Impedance Ω/100MHz (1Turn)
GTR-7-3-4	7	3.5	4	≥20
GTR-9-5-8	9	5	8	≥30
GTR-10-5-5	10	5	5	≥25
GTR-11-5-9	11	5	9	≥45
GTR-12.5-8-12	12.6	8.1	12	≥35
GTR-13-7-6	13	7	6	≥25
GTR-13-7-12.7	13	7.1	12.7	≥45
GTR-14.5-10-8	14.5	10.2	8	≥20
GTR-16-8-13	16.5	8.2	13	≥55
GTR-16-8-16	16.5	8.2	16	≥65
GTR-16-10-7	16	10	7	≥25
GTR-16-10-10	16	10	10	≥30
GTR-18-10-6	18	10	6	≥25
GTR-20-10-5	20.5	10.2	5	≥25
GTR-20-10-10	20.5	10.2	10	≥45
GTR-21-13-6	21.2	12.7	6	≥25
GTR-22-14-10	22	14	10	≥30
GTR-23-11-14	23.6	11.4	14	≥60
GTR-25-15-8	25	15	8	≥30
GTR-25-15-12	25	15	12	≥40
GTR-28-16-13	28	16	13	≥45
GTR-28-16-20	28	16	20	≥70
GTR-31-19-8	31	19	8	≥30
GTR-40-27-15	40.6	27.4	15	≥45

Operating temperature: -40 ~ 85°C

GTRE Series



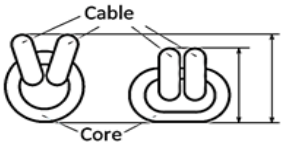
GTRE Series

Unit: mm

Part No.	A	B	C	D	E	Impedance Ω/100MHz (1Turn)
GTRE-14-12.5-8	14.0	8.0	10.0	4.0	12.5	≥30
GTRE-14-14-8	14.0	8.0	10.0	4.0	14.0	≥35

Operating temperature: -40 ~ 85°C

Cross-sectional view of GRI (round) and GTRE (oblong) ferrite cores

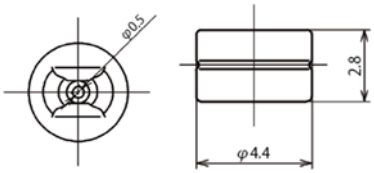


GRIP Series

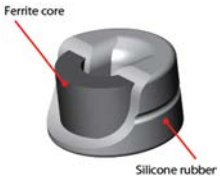
Unit: mm

Part No.	Outer Diameter	Height	Applicable Lead Diameter	Applicable Lead Dimension	Impedance Ω/100 MHz (1Turn)
GRIP-3.5-1.8-2	Ø 4.4	2.8	Ø 0.6~1.6	W: 0.8~1.5 T:0.3~0.7	≥15

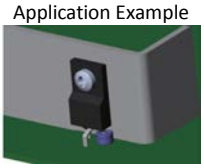
Operating temperature: -40 ~ 125°C



Inner structure



Application Example



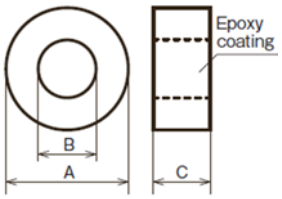
Low Frequency Cores

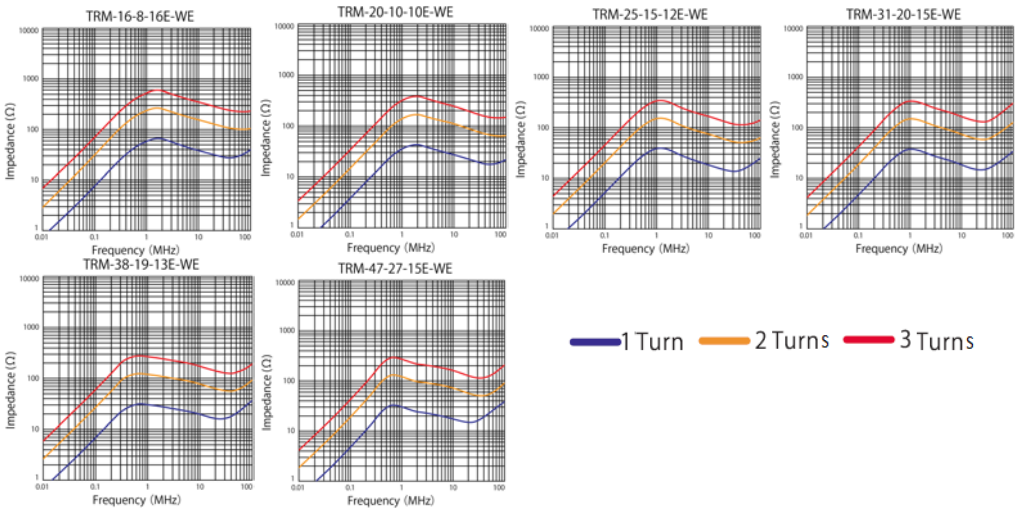
TRM – cores for low frequency range

- High impedance noise filters for the low MHz range
- Turning the cable around the core increases effectiveness by a power of 2 (N^2)
- Operating temperature: -40 ~ 85°C

Unit: mm

Part No.	A	B	C	Impedance Ω/10MHz (2 turns)
TRM-16-8-16E-WE	17.0	7.1	16.9	≥70
TRM-20-10-10E-WE	21.0	9.1	10.9	≥35
TRM-25-15-12E-WE	26.0	14.1	12.9	≥35
TRM-31-20-15E-WE	32.1	19.0	15.9	≥30
TRM-38-19-13E-WE	39.2	17.9	14.0	≥35
TRM-47-27-15E-WE	48.5	25.7	16.3	≥25



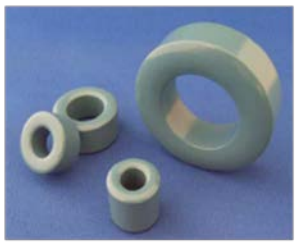


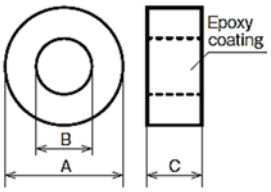
TRMH – Low frequency, high μ ferrite cores

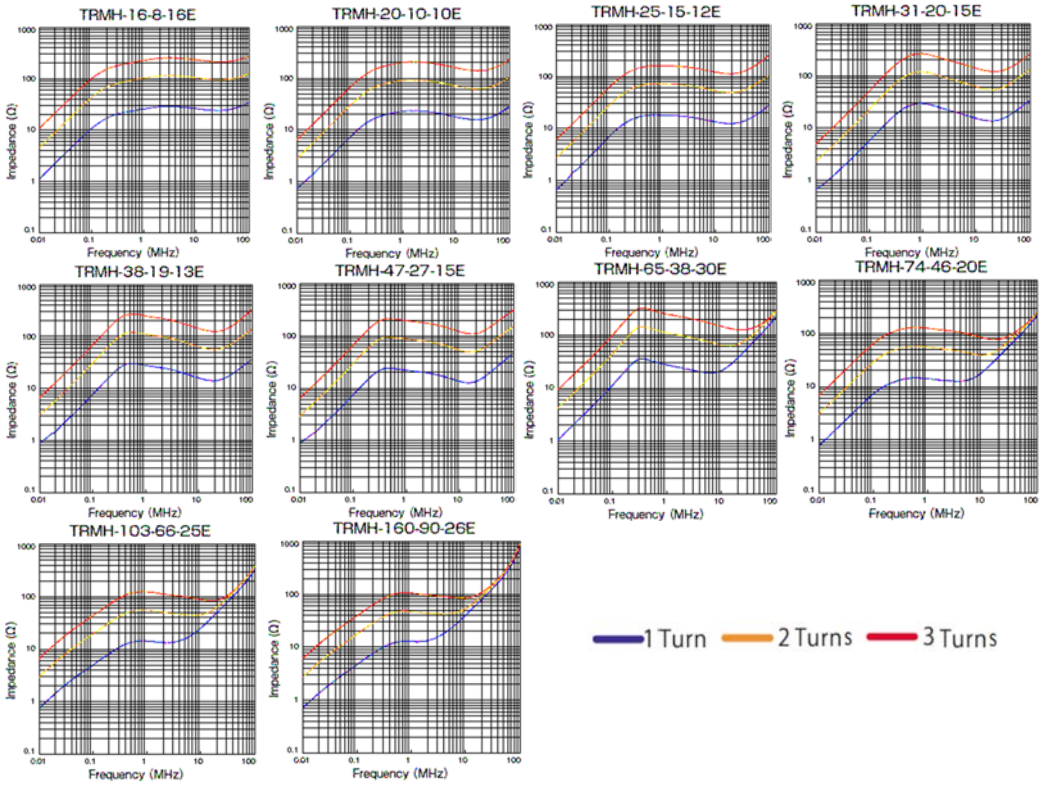
- High impedance at less than 1MHz
- Increased impedance obtained with each turn around the core
- Suitable for conducted emissions in the kHz range
- Operating temperature: -40 ~ 85°C

Unit: mm

Part No.	A	B	C	Impedance Ω/1MHz (1 Turn)
TRMH-16-8-16E	16.9	7.2	16.8	≥18
TRMH-20-10-10E	21.0	9.2	10.9	≥11
TRMH-25-15-12E	25.9	14.1	12.8	≥9
TRMH-31-20-15E	32.1	19.0	15.9	≥9
TRMH-38-19-13E	39.1	18.0	13.9	≥11
TRMH-47-27-15E	48.3	26.0	15.9	≥10
TRMH-65-38-30E	67.3	36.6	31.1	≥12
TRMH-74-46-20E	75.76	44.22	21.0	≥6
TRMH-103-66-25E	105.6	63.1	26.9	≥6
TRMH-160-90-26E	165.1	87.9	28.1	≥6



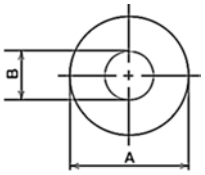




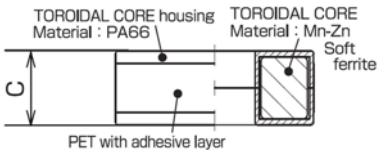
TRCB – Low frequency ferrite core with plastic casing

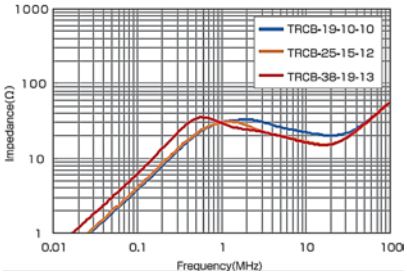
- Plastic casing protects ferrite from cracking and chipping
- Suitable for conducted emission from kHz to lower MHz range

Unit: mm

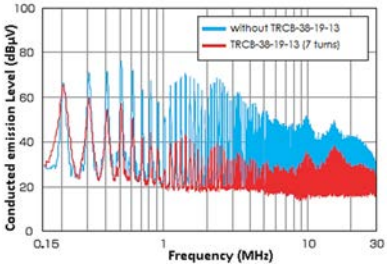


Part No.	A	B	C	Impedance Ω/10MHz (1Turn)
TRCB-19-10-10	20	8.1	(11.7)	≥ 11
TRCB-25-15-12	26.7	13.3	(13.5)	≥ 8
TRCB-38-19-13	40.5	16.6	(15.1)	≥ 7





Noise Attenuation Effectiveness



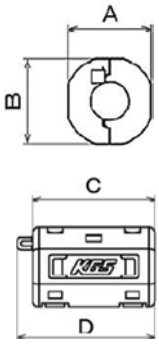
MRFC – ferrite clamp for low frequency range

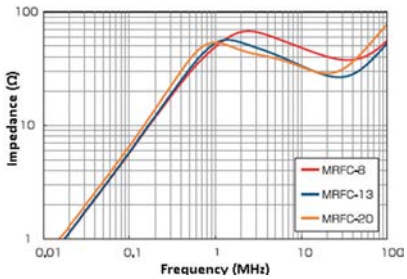
- Aimed to suppress low frequency noise between 150kHz ~ 30MHz
- Plastic screw mount option available
- Operating temperature: -40°C ~ 85°C
- UL94 V-0 rated housing

Unit: mm

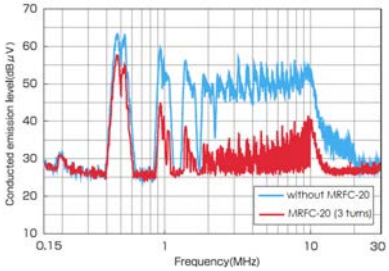
Part No.	Part No. (screw mount option)	A	B	C	D	Applicable cable diameter	Impedance Ω/10MHz (1 Turn)
MRFC-8	-	20.1	20.4	31.5	35.5	8.5 (MAX)	≥20
MRFC-13	MRFCK-13	29.1	33.05	32.3	37.1	13.5 (MAX)	≥20
MRFC-20	MRFCK2-20	40.3	40	47	53.5	20.0 (MAX)	≥20

Screw mount option





Noise Attenuation Effectiveness

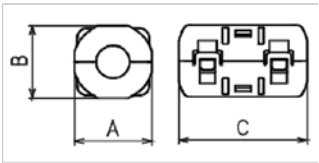


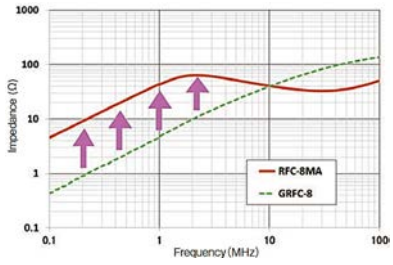
RFC-*MA – Low frequency, high μ ferrite cores

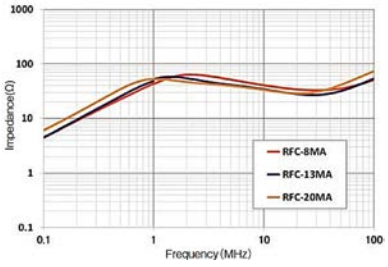
- Aimed to suppress low frequency noise generated by engine control units (ECU), inverters, and motors
- Split type with heat-resistant plastic casing
- Operating temperature: -40°C ~ 125°C
- Casing designed with a slot for a plastic cable tie
- UL94 V-2 rated housing

Unit: mm

Part No.	A	B	C	Applicable Cable Diameter	Impedance Ω/10MHz (1 Turn)
RFC-8MA	20.6	19.8	34.0	8.5 (MAX)	≥20
RFC-13MA	29.6	28.4	34.0	12.5~13.5	≥20
RFC-20MA	40.0	40.0	47.0	20 (MAX)	≥20







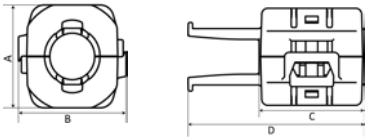
Low Frequency Ferrite Clamp *NEW!*

- Automotive grade ferrite for suppressing low frequency noise (150kHz~30MHz)
- Specifically designed to withstand vibration requirements for passenger vehicles
- Easy to install and very secure; uninstallation requires a tool to unfasten the clamp's interlocking feature
- Outer casing also feature strap and tape mounting guides to prevent sliding
- Casing is UL94V-2 rating
- Operating temperature: -40~125°C

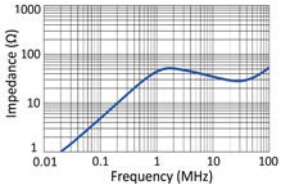
Unit: mm

Part No.	A	B	C	D	Applicable Cable Diameter	Impedance Ω/10MHz (1turn)
RFCW-13MA-BK-1PC	31.4	33.6	34.8	58.3	13.5 MAX	≥20

Product dimensions (2 pieces locked together)

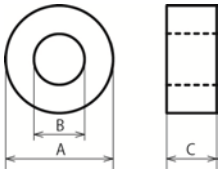


RFCW-13MA-BK-PC



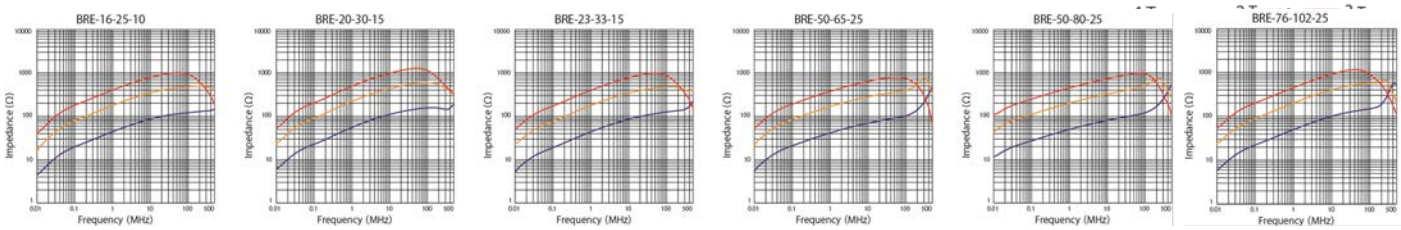
BROAD EFFECT CORE

- Amorphous metal core, effective for conducted and radiated broadband noise suppression from around 1MHz~100MHz
- High impedance characteristics reduces the number of cable turns
- Impedance characteristics remains stable within a wide temperature range
- Operating temperature: -30 ~ 130°C
- PBT plastic housing provides electrical insulation and is UL94 V-0 rated



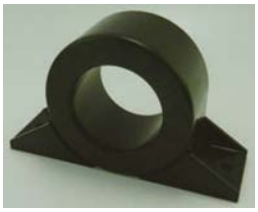
Unit: mm

Part No.	A	B	C	Impedance Ω/1MHz (1turn)
BRE-16-25-10	27.5	13.8	12.6	≥28
BRE-20-30-15	33.5	17.7	17.9	≥36
BRE-23-33-15	36.3	21	18	≥28
BRE-50-65-25	68.4	46.7	28.7	≥34
BRE-50-80-25	84	47	29.2	≥38
BRE-76-102-25	107.9	70.2	30.4	≥31

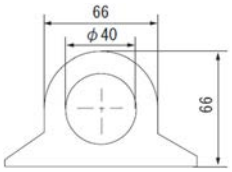


AMORPHOUS CORE

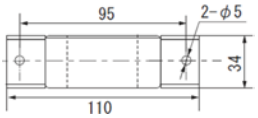
- Higher magnetic permeability and saturated magnetic density than a ferrite core
- Suppresses noise from 150kHz ~ 30MHz generated by switching regulator or inverter
- Available with screw hole on either side
- UL94 V-0 rated



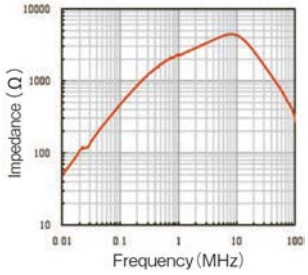
AF01-40 Dimensions
(Side view in mm)



AF01-40 Dimensions
(Top view in mm)



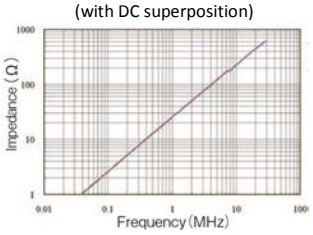
AF01-40
Impedance vs Frequency (10 turns)



METAL CORE

- Due to higher magnetic flux density, current superposition (current at 20A or less) will not lower the impedance
- Resin-coated core to protect cables
- Impedance is stable from -40°C ~ +140°C, with a high Curie temperature
- Possible to suppress normal mode noise

MPTR-40-24-15E
Impedance vs Frequency
(with DC superposition)



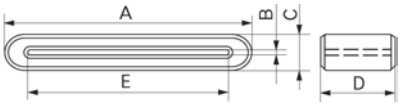
Unit: mm

PART NO.	Max Outer Diameter	Min Inner Diameter	Max Length	Impedance Ω/1MHz (5turns)
MPTR-20-13-10E	21.2	11.8	10.9	≥7
MPTR-27-15-11E	27.8	13.8	12.1	≥12
MPTR-40-24-15E	40.9	23.1	15.48	≥12

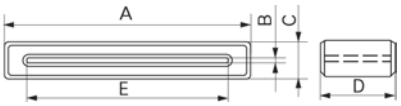
FLAT CABLE CORES: 1-Piece Type G Ferrite Core – nickel-free

GFPC Series

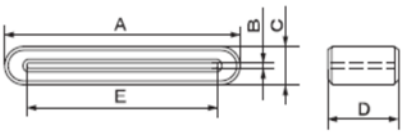
Profile 1



Profile 2



GSSC Series



Unit: mm

GFPC Series

Part No.	Profile	A	B	C	D	E	Impedance Ω/100MHz (1 Turn)
GFPC-11-8-2	1	11.0	0.7	2.3	8.0	9.0	≥25
GFPC-16-5-3	1	16.0	0.5	3.0	5.0	11.5	≥20
GFPC-16-8-2	1	15.5	0.7	2.3	8.0	12.0	≥25
GFPC-16-8-3	1	16.0	0.5	3.0	8.0	11.5	≥25
GFPC-16-12	1	16.0	0.5	5.0	12.0	11.5	≥45
GFPC-16-20	1	16.0	0.8	5.0	20.0	11.5	≥60
GFPC-18-3-2	1	18	0.7	2.3	3.0	14.5	≥20
GFPC-18-8-2	1	18.0	0.7	2.3	8.0	14.5	≥25
GFPC-22-8-2	1	21.5	0.7	2.3	8.0	18.0	≥25
GFPC-24-12-3	2	23.3	0.9	3.0	12.0	20.0	≥30
GFPC-25-10-3	2	25.5	0.8	3.0	10.0	21.5	≥25
GFPC-25-12	1	24.5	0.5	5.0	12.0	20.0	≥35
GFPC-25-15-3	2	25.5	0.8	3.0	15.0	21.5	≥35
GFPC-25-20	1	24.5	0.5	5.0	20.0	20.0	≥50
GFPC-31-12	1	31.0	0.5	5.0	12.0	27.0	≥40
GFPC-31-12-3	2	31.0	1.0	3.0	12.0	27.0	≥30
GFPC-46-12	1	46.0	0.5	5.0	12.0	41.5	≥40
GFPC-56-12	1	56.2	0.5	5.0	12.0	52.4	≥35

GSSC Series

GSSC-33.5-8	N/A	33.5	1.4	6.5	8.0	28.4	≥30
GSSC-33.5-10	N/A	33.5	1.4	6.5	10.0	28.4	≥30
GSSC-33.5-12	N/A	33.5	1.4	6.5	12.0	28.4	≥35
GSSC-33.5-20	N/A	33.5	1.3	6.5	20.0	27.8	≥50
GSSC-33.5-10-2	N/A	33.5	2.2	7.4	10.0	27.0	≥30
GSSC-40-12	N/A	40.0	1.3	6.5	12.0	35.0	≥35
GSSC-45-8	N/A	45.2	1.3	6.5	8.0	40.0	≥30
GSSC-45-12	N/A	45.2	1.3	6.5	12.0	40.0	≥35
GSSC-50-12	N/A	50.0	1.4	6.5	12.0	44.9	≥35
GSSC-58-12	N/A	57.6	1.3	6.5	12.0	52.0	≥35

GSSC series operating temperature: -40~85°C

FLAT CABLE CORES: 2-Piece Type

- GSSH and GFPH series are a set of two of the same U-shaped pieces
- GFPO series has a combination of one U-shaped piece and one flat piece

Unit: mm

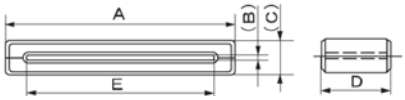
GFPH and GFPO Series

Part No.	A	B	C	D	E	Impedance Ω/100MHz (1 Turn)
GFPH-10-6-5	10.0	1.8	5.0	6.0	6.8	≥25
GFPO-23-8-3	23.0	0.5	2.8	8.0	19.0	≥30
GFPO-25-12-3	25.0	0.5	2.8	12.0	21.0	≥35
GFPO-31-12-3	31.0	0.5	2.8	12.0	27.0	≥35

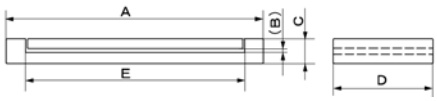
GSSH Series

GSSH-33.5-12	33.5	1.2	6.6	12.0	27.0	≥35
GSSH-33.5-20	33.5	1.2	6.6	20.0	27.0	≥50
GSSH-40-12	40.0	1.2	6.6	12.0	34.8	≥35
GSSH-45-12	45.2	1.2	6.6	12.0	40.0	≥35

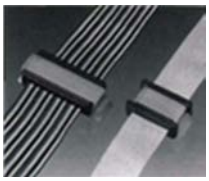
GFPH and GSSH Series



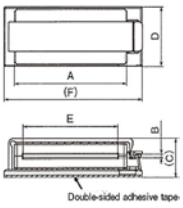
GFPO Series



FLAT CABLE CORES: Large 2-Piece Type



BCN



Unit: mm

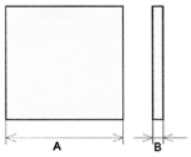
BCN Series *Adhesive mount* with plastic holders

Part No.	A	B	(C)	D	(E)	(F)	Impedance Ω/100MHz (1 Turn)
BCN-26	45.0	2.0	19.6	30	34.0	59.2	≥125
BCN-40	63.0	2.0	19.5	30	52.0	76.5	≥137
BCN-50	76.5	2.0	19.5	30	64.5	90.7	≥142

FERRITE TILES and SHEETS

SD Tiles – high performance, sintered ferrite tiles for CPU's high density

- Solid ferrite tiles for RF noise suppression
- Options for with adhesive (with "T") and without adhesive (no "T") available



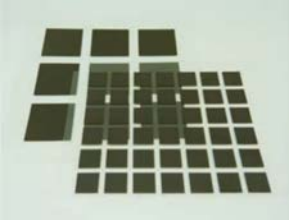
Unit: mm

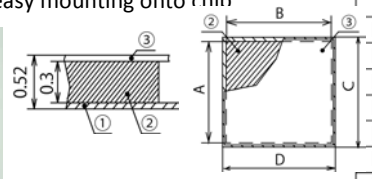
PART NO.	A	B	Impedance* Ω/25MHz	Impedance* Ω/100MHz
SD-28-28-0.8	28	0.8	≥22	≥76
SD-28-28-0.8T	28	0.8	≥22	≥76
SD-28-28-1.5	28	1.5	≥34	≥115
SD-28-28-1.5T	28	1.5	≥34	≥115

*Test method for impedance test wire was sandwiched between two pieces of SD tiles in the center.

FFS Series – flexible ferrite tiles for low frequency

- 0.3mm thick, flexible ferrite
- Suppresses low frequency noise around 1MHz
- Adhesive on one side for easy mounting onto chip





① PET/Mylar layer
② Ferrite layer
③ High temp adhesive layer

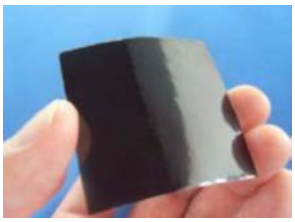
Unit: mm

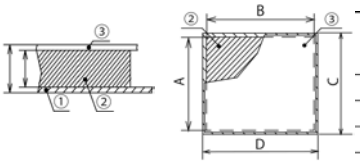
Part Number	Ferrite Dimension A	Ferrite Dimension B	PET/Mylar Dimension C	PET/Mylar Dimension D
FFS-0.3-1010T	10	10	11.5	11.5
FFS-0.3-1020T	10	20	11.5	21.5
FFS-0.3-1515T	15	15	16.5	16.5
FFS-0.3-2020T	20	20	21.5	21.5
FFS-0.3-2030T	20	30	21.5	31.5
FFS-0.3-2525T	25	25	26.5	26.5
FFS-0.3-3030T	30	30	31.5	31.5
FFS-0.3-5050T	50	50	55	55

Operating temperature: -40 ~ 105°C

FFSX Series – flexible ferrite sheet for RFID/NFC and Rezence wireless charging

- Thin, flexible ferrite sheet with high u'; low loss at lower frequencies
- Effective for RFID/NFC-to-metal systems at 13.56MHz
- Increases field strength from Tx to Rx for wireless charging (6.78MHz)





① PET/Mylar layer (0.08mm)
② Ferrite layer (see chart)
③Adhesive layer (0.03mm)

A, B: ferrite dimension
C, D: PET/Mylar dimension

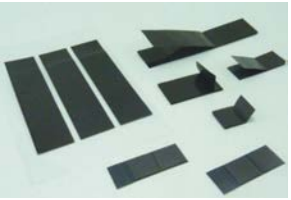
Unit: mm

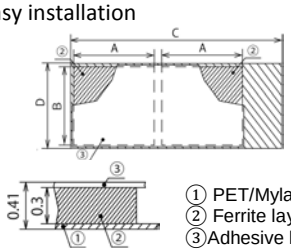
Part Number	Ferrite thickness	Total thickness	Standard Ferrite Size Tile	Standard Ferrite Size Sheet
FFSX-0.1	0.1	0.21	50 x 60	180 x 200
FFSX-0.2	0.2	0.31	50 x 60	180 x 200
FFSX-0.3	0.3	0.41	50 x 60	180 x 200

Operating Temperature: -40°C~+85°C

FFPC Series – flexible ferrite cores

- 0.3mm thick, flexible ferrite cores that will not shatter if dropped
- Ideal for applications that cannot accept the weight and bulkiness of solid ferrite cores
- Adhesive on one side for easy installation





① PET/Mylar layer
② Ferrite layer
③Adhesive layer

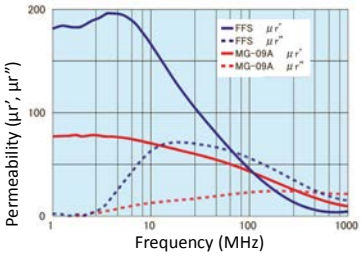
Unit: mm

Part Number	Ferrite Dimension A	Ferrite Dimension B	PET/Mylar Dimension C	PET/Mylar Dimension D
FFPC-0.3-10-5	10	5	32.5	6.5
FFPC-0.3-10-10	10	10	30	11
FFPC-0.3-12-8	12	8	38.5	9.5
FFPC-0.3-14-14	14	14	38	15
FFPC-0.3-22-8	22	8	60.5	9.5
FFPC-0.3-22-14	22	14	54	15
FFPC-0.3-27-14	27	14	70.5	15.5
FFPC-0.3-44-14	44	14	98	15

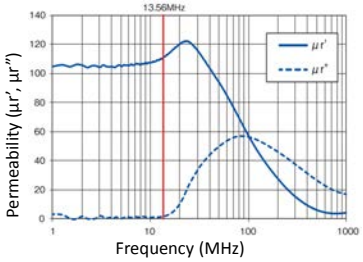
Operating temperature: -40 ~ 85°C

Ferrite Sheet Permeability Graphs

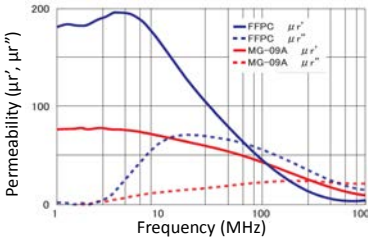
FFS Series



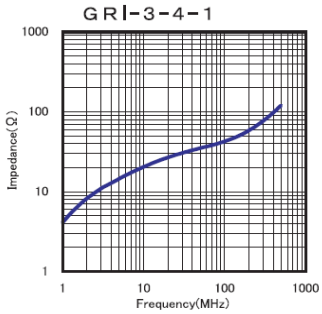
FFSX Series

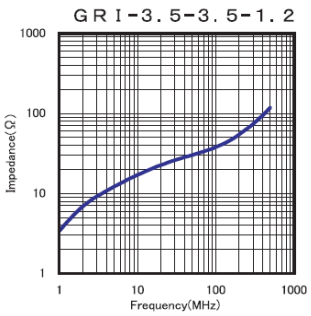


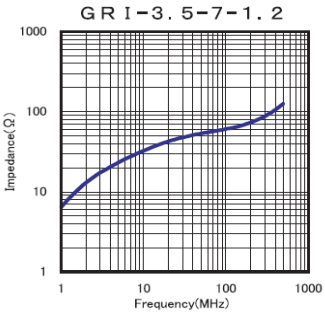
FFPC Series

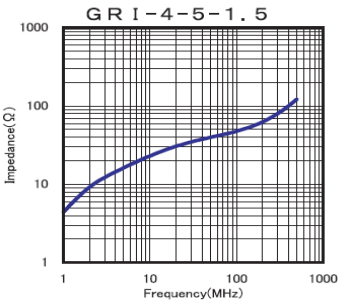


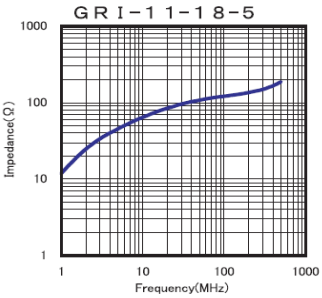
GRI Impedance Graphs

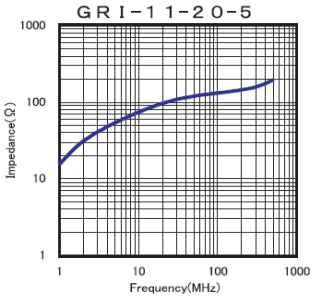


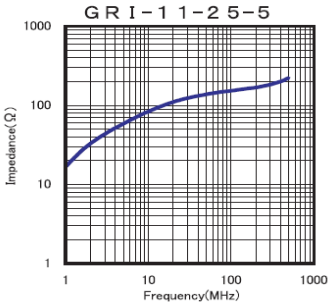


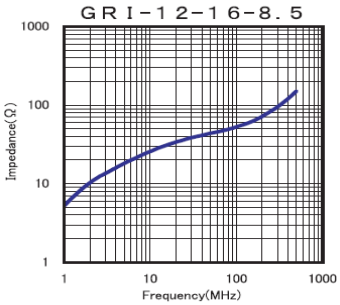


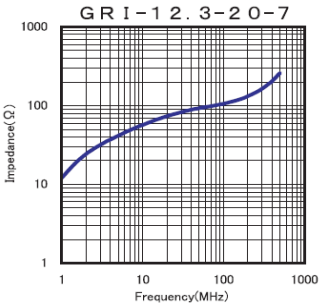


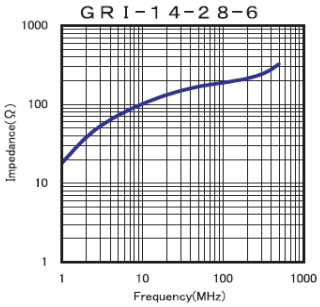


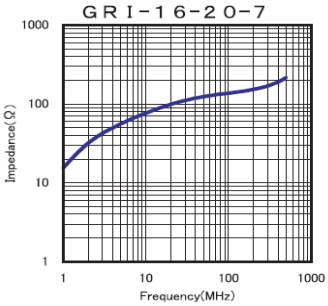


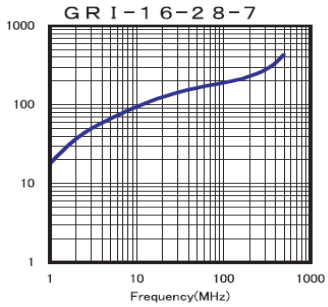


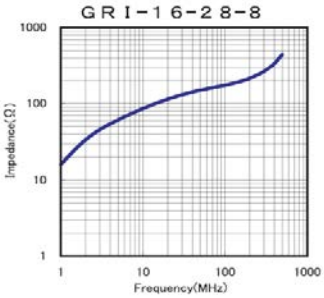


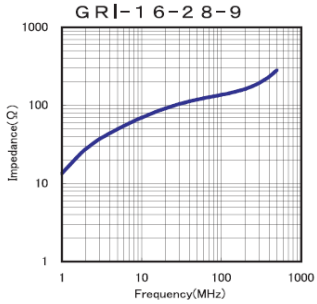


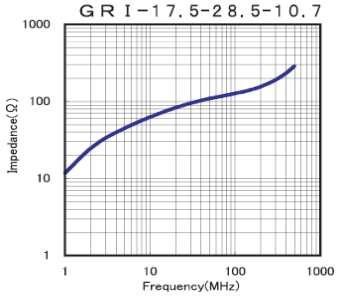


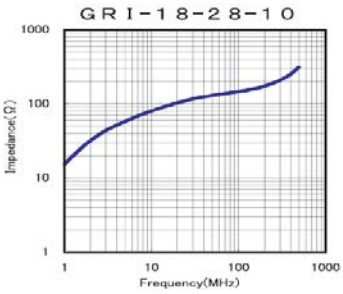


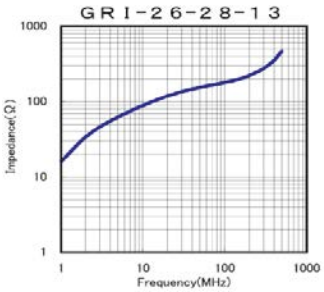




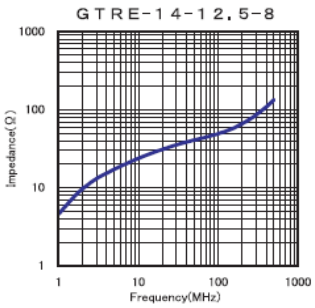


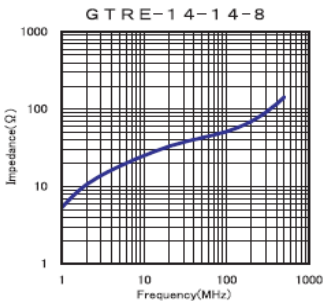


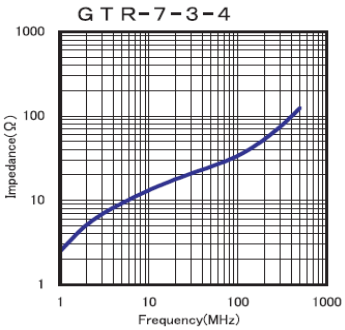


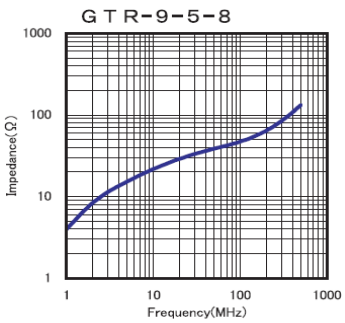


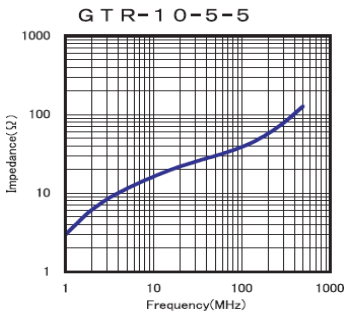
GTRE Impedance Graphs

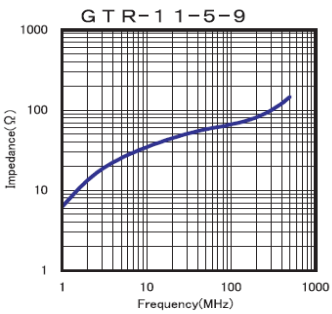


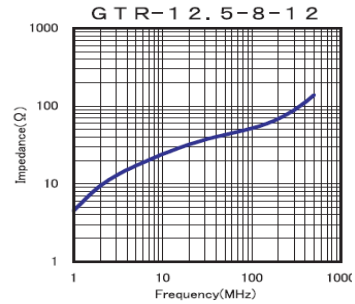


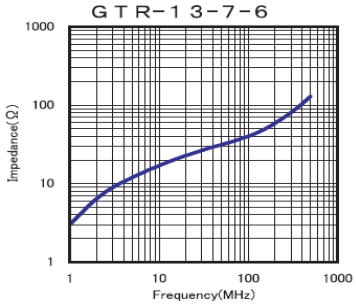


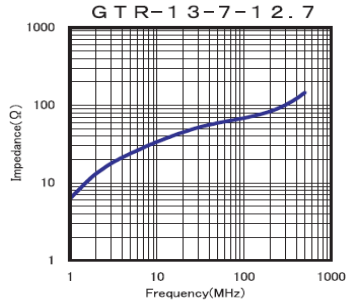


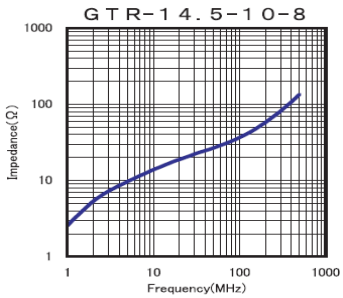


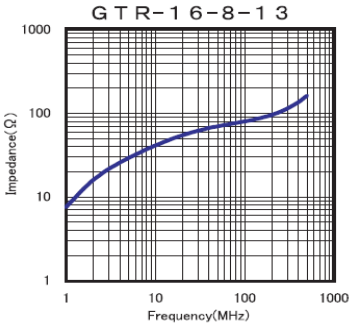


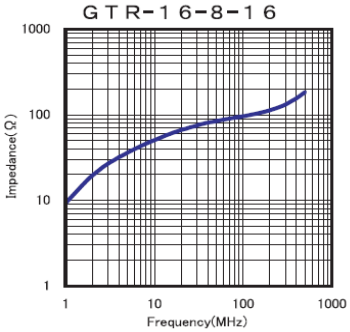


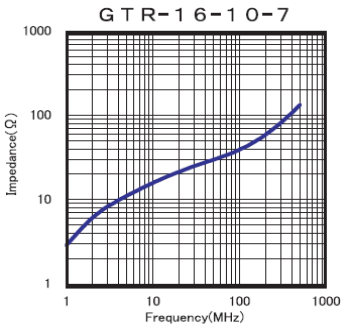


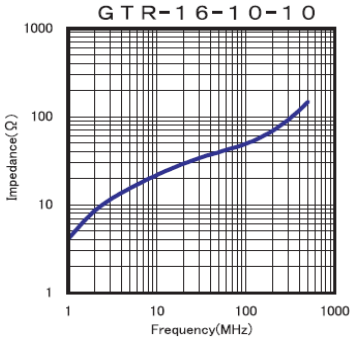


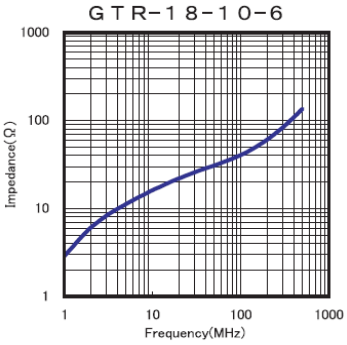


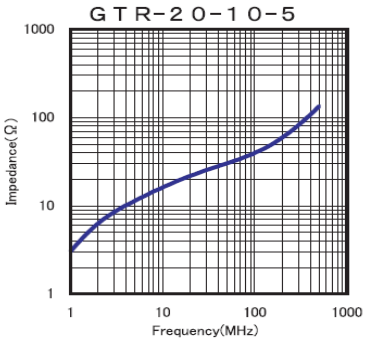


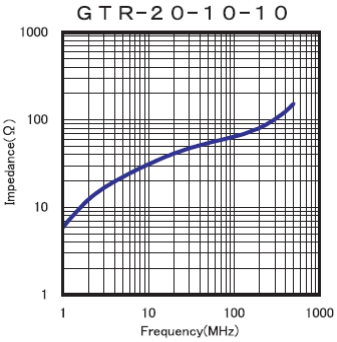


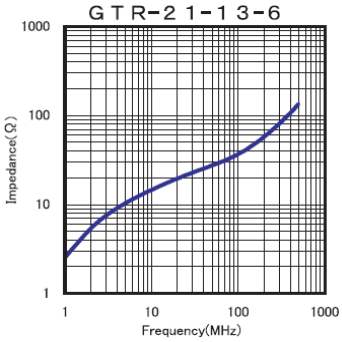


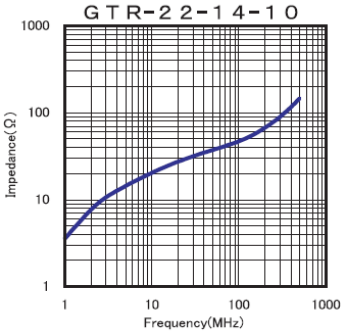


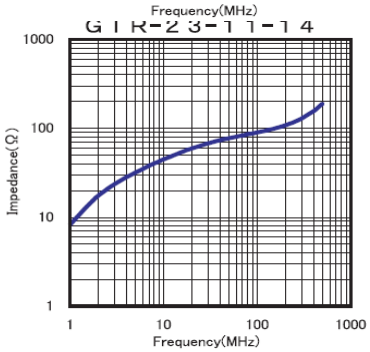


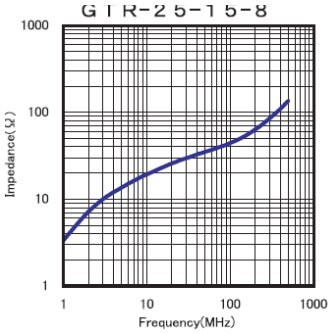


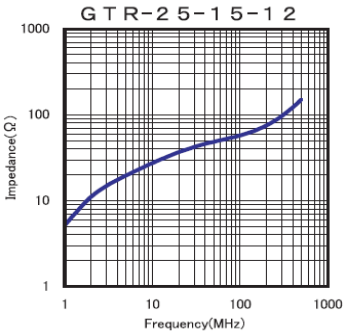


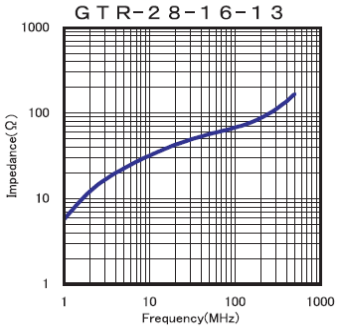


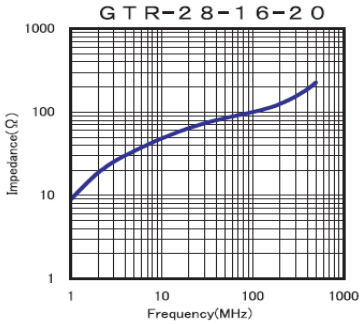


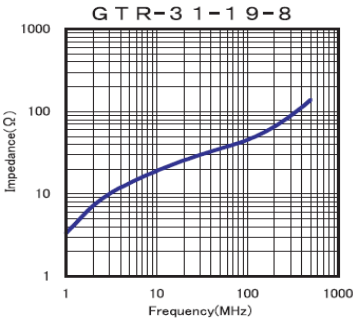




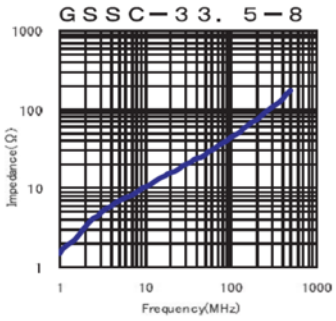


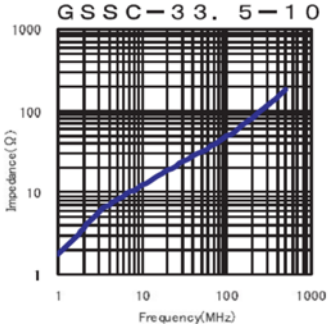


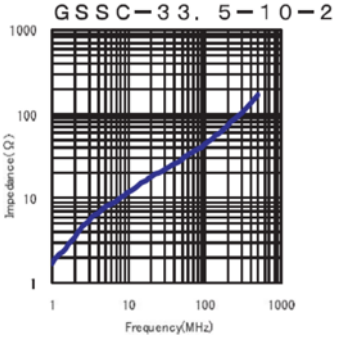


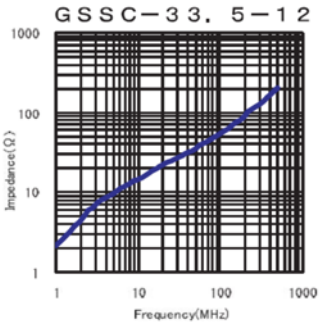


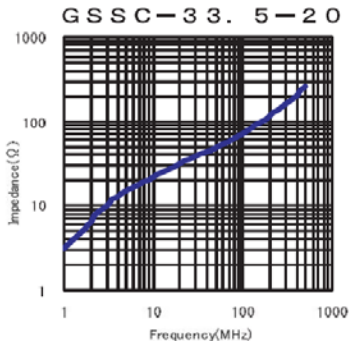
GSSC Impedance Graphs

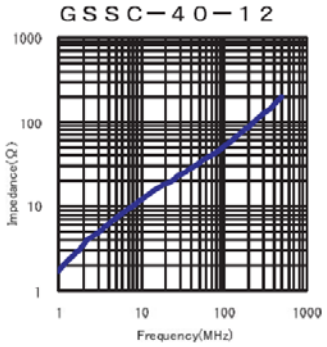


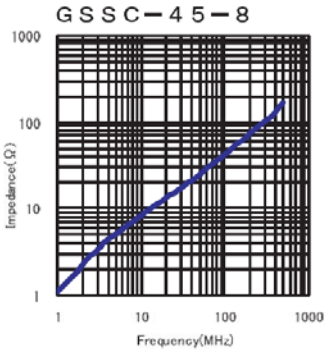


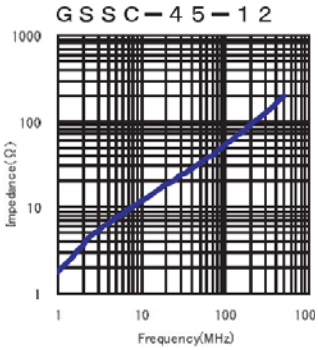


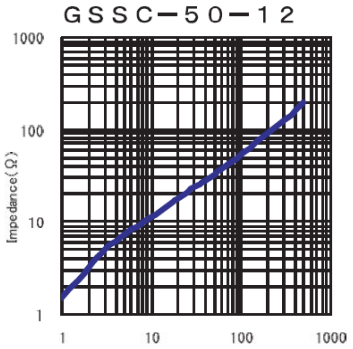


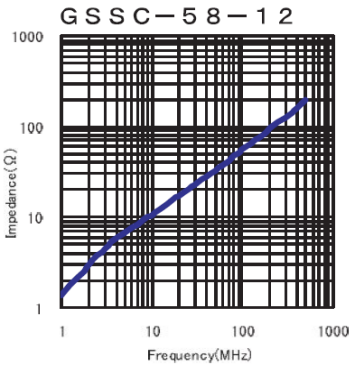




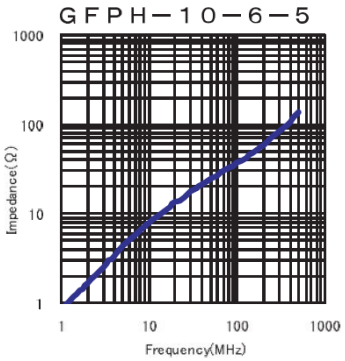




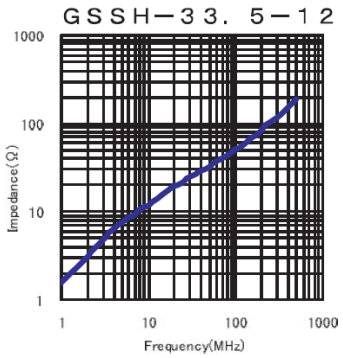


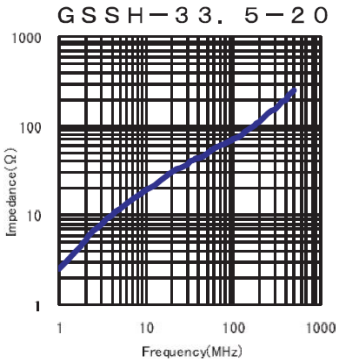


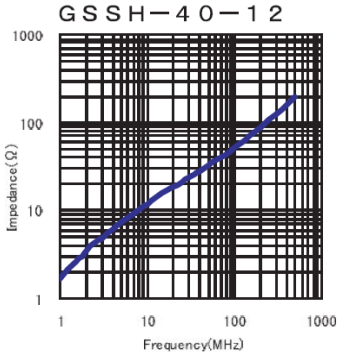
GFPH Impedance Graph

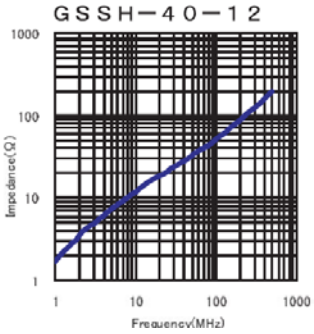


GSSH Impedance Graphs

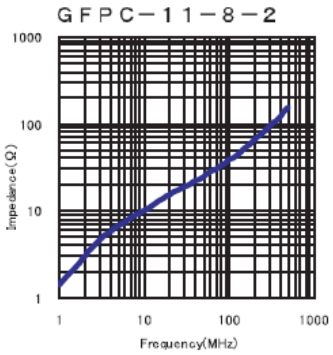


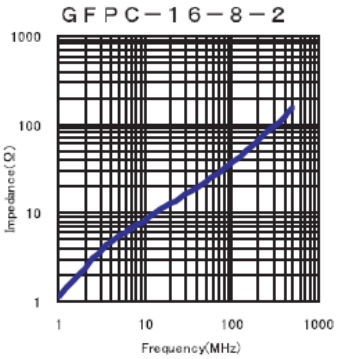


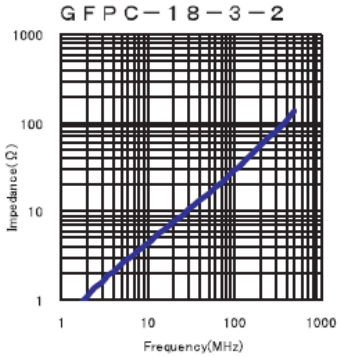


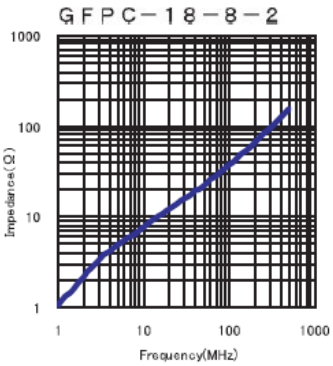


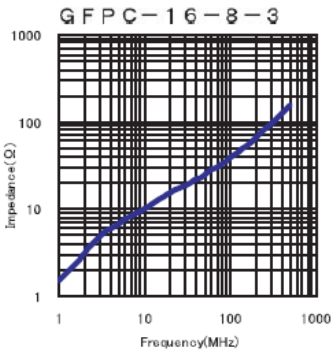
GFPC Impedance Graphs

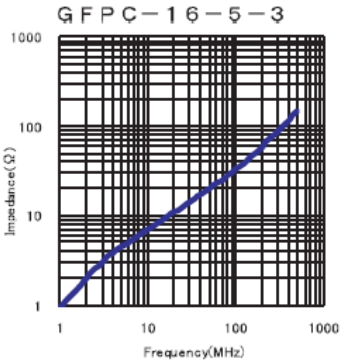


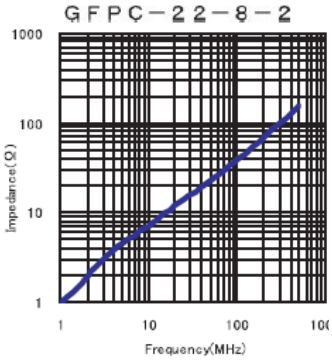


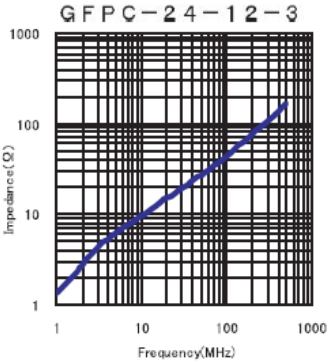


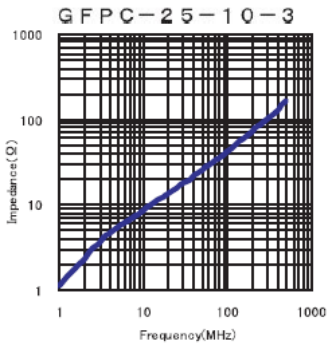


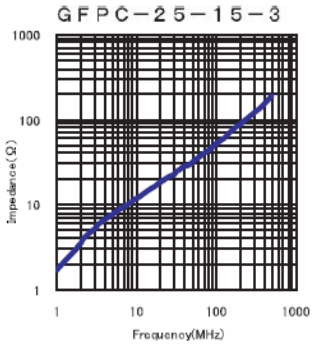


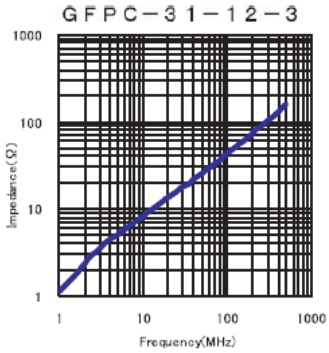


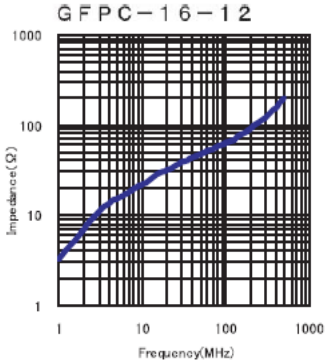


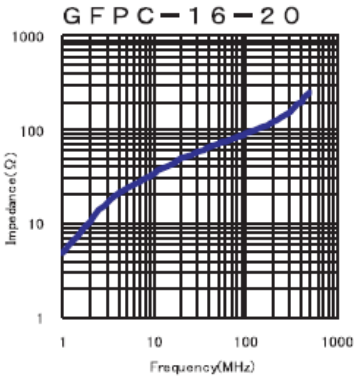


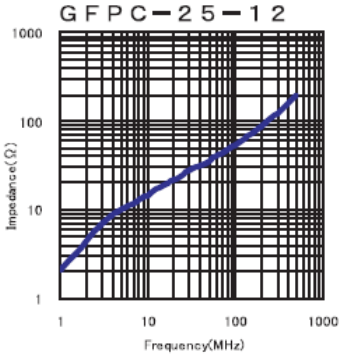


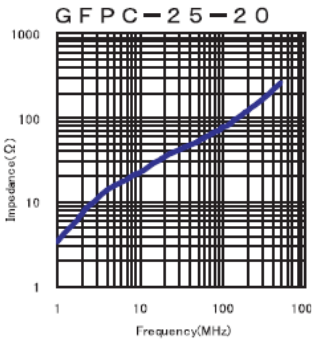


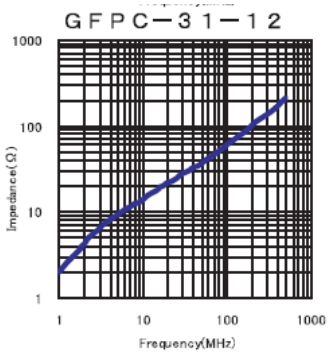




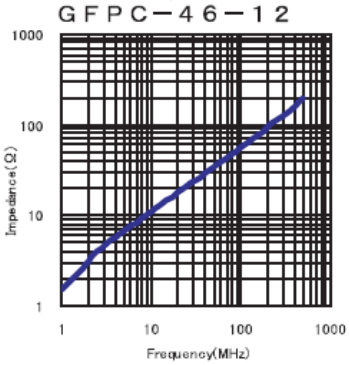


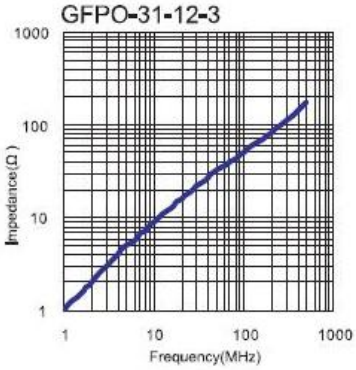


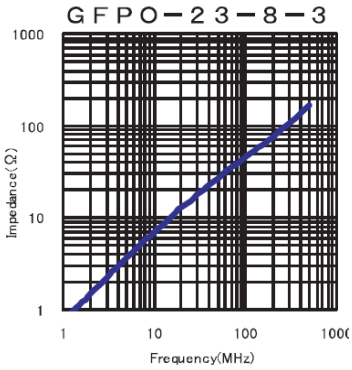


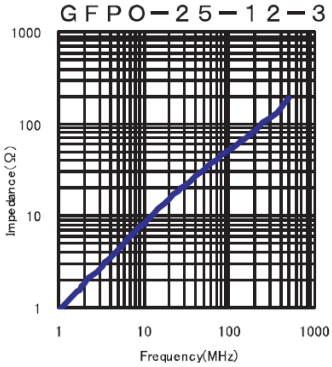


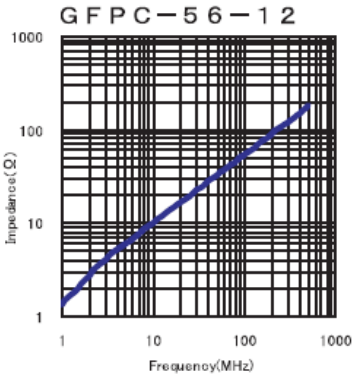
GFPO Impedance Graphs





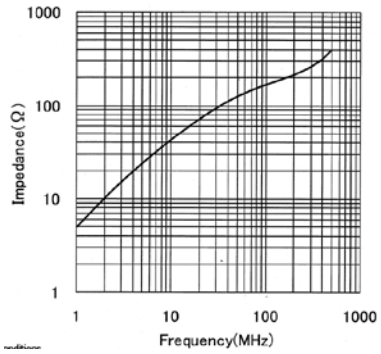




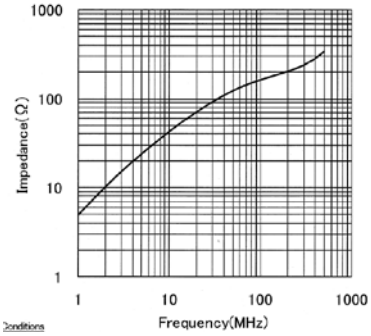


GRFC Impedance Graphs

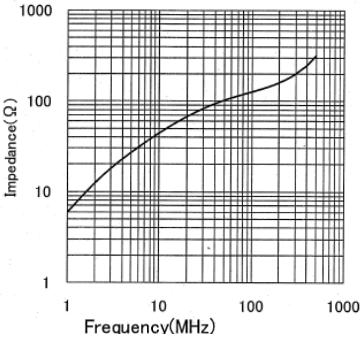
GRFC-5



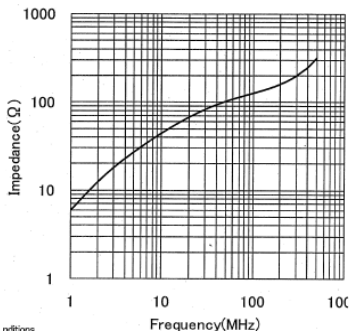
GRFC-6



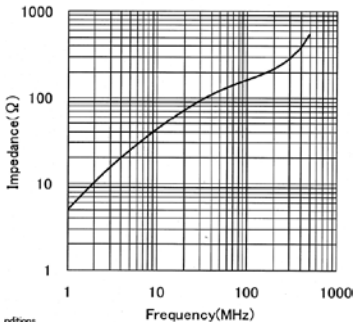
GRFC-8



GRFC-9



GRFC-13



KGS GLOBAL LOCATION

KITAGAWA INDUSTRIES CO.,LTD.
695-1, Higashiorido, Mukui-cho, Inazawa City,
Aichi Prefecture 492-8446, Japan
Tel: 81-587-34-3561 Fax: 81-587-34-3109
http://www.kitagawa-ind.com

KITAGAWA INDUSTRIES America, Inc.
2325 Paragon Drive, Suite 10 San Jose,
California 95131-1309 U.S.A.
Tel: 1-408-971-2055 Fax: 1-408-971-6033
http://www.kgs-ind.com

KITAGAWA GmbH
Birkenwaldstraße 38, 63179 Obertshausen, Germany
Tel: 49-6104-60009-0 Fax: 49-6104-60009-40
http://www.kitagawa.de

SHANGHAI KITAGAWA INDUSTRIES CO.,LTD.
3rd Floor, West No.8 Bldg., 308, Fen Ju Road,
Waigaoqiao Free Trade Zone, Shanghai 200131,
China
Tel: 86-21-5865-2766 Fax: 86-21-5064-4018

KITAGAWA TECHNOLOGY(SHENZHEN)CO.,LTD.
Unit G 24F, Times Fortune Building, No.88 FuHua Road 3,
FuTian District, Shenzhen City 518026, China
Tel: 86-0755-2396-3200 Fax: 86-0755-2396-3490

KITAGAWA ELECTRONICS(THAILAND)CO.,LTD.
<Head office &Plant (IEAT Free zone)>
Hi-Tech Industrial Estate (IEAT FREE ZONE):
126 Moo1, Bhan Lain, Bang Pa-in, Phra Nakorn,
Sri Ayutthaya 13160, Thailand
Tel: 66-35-350-201 Fax: 66-35-350-204
<Sales office & Warehouse(BOI IPO)>
Bangkok Free Trade Zone(BFTZ), 88/78 Moo15, Bangsaothong,
Bangsaothong, Samutprakarn10540,Thailand
Tel: 66-2-182-5264 Fax: 66-2-182-5268

KITAGAWA ELECTRONICS(SINGAPORE)PTE.LTD.
2 Jurong East St.21, 04-33D IMM Building,
Singapore 609601
Tel: 65-6560-6511 Fax: 65-6560-6211
http://www.kitagawa.com.sg

KITAGAWA INDUSTRIES (H.K.) LIMITED
Unit J, 15th Floor, Ever Gain Centre, 43-57 Wang Wo
Tsai Street, Tsuen Wan, New Territory, Hong Kong
Tel: 852-2612-1161 Fax: 852-2612-1686
http://www.kitagawa.com.hk

KITAGAWA INDUSTRIES(TAIWAN)CO.,LTD.
7F, No.75, Hsin Tai Wu Rd. Sec.1, Hsih Chih dist.,
New Taipei City, Taiwan, 221
Tel: 886-2-2698-8833 Fax: 886-2-2698-3355
http://www.kgtw.com.tw

© Copyright 2016 KITAGAWA INDUSTRIES America, Inc. All Rights Reserved