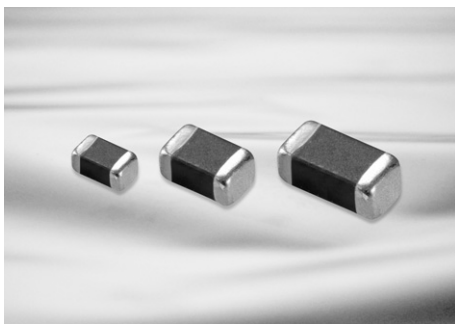


Chip Bead ; CIC/CIS Series

For High Current



Feature

- The smallest beads used for high current.
(CIC: ~3A, CIS: ~6A)

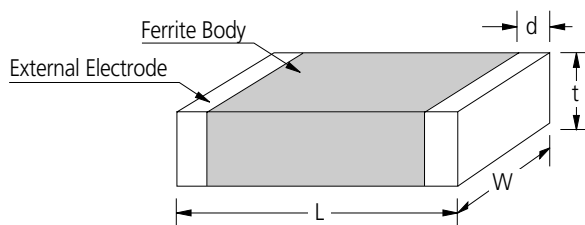
Application

- Suppression of noise in power line

The CIC/CIS Series can be used in high current owing to their low DC resistance. They can match power lines to a maximum of 6A DC.

Operating Temp	-55~+125°C
Storage Temp	-10~+40°C

Dimensions



Unit : mm

SIZE CODE	L	W	t	d
05	1.0±0.05	0.5±0.05	0.5±0.05	0.25±0.1
10	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2
21	2.0±0.2	1.25±0.2	0.9±0.2	0.5+0.2,-0.3
31	3.2±0.2	1.6±0.2	1.1±0.2	0.5+0.2,-0.3
32	3.2±0.2	2.5±0.2	1.3±0.2	0.5±0.3
41	4.5±0.2	1.6±0.2	1.6±0.2/1.2±0.2	0.5±0.3
43	4.5±0.2	3.2±0.2	1.5±0.2	0.5±0.3

Part Numbering

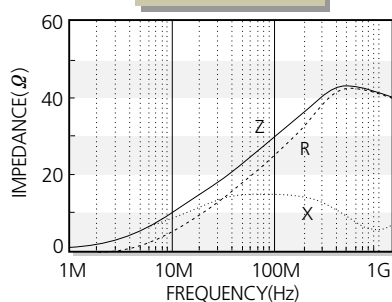
CI **C** **05** **P** **300** **N** **C**
 (1) (2) (3) (4) (5) (6) (7)

- Chip Beads
- C: For high current ~3A, S: Ultra high current ~6A
- Dimension
- Material Code(J, P)
- Nominal impedance(310: 31Ω, 121: 120Ω)
- Thickness option(N: Standard, A: Thinner than standard, B: Thicker than standard)
- Packaging(C: paper tape, E: embossed tape)

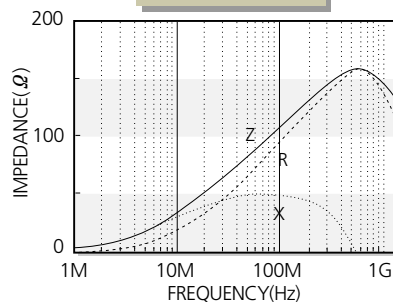
CIC 1005(0402) Type

Part No.	Thickness (mm)	Impedance (Ω) $\pm 25\%$ @ 100 MHz	DC Resistance (Ω) Max.	Rated Current (mA) Max.
CIC 05P 300	0.50 ± 0.05	30	0.05	1500
CIC 05P 600	0.50 ± 0.05	60	0.09	1500
CIC 05P 121	0.50 ± 0.05	120	0.09	1500
CIC 05J 600	0.50 ± 0.05	60	0.09	1500

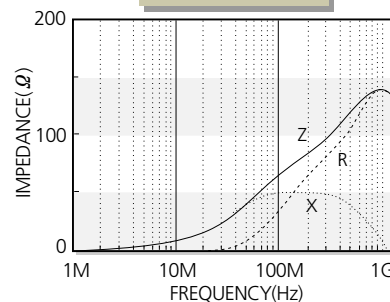
CIC05P300



CIC05P121

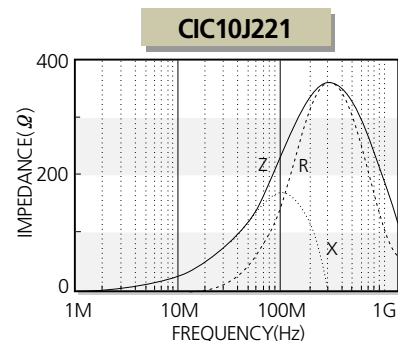
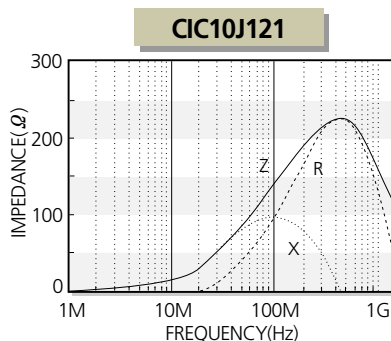
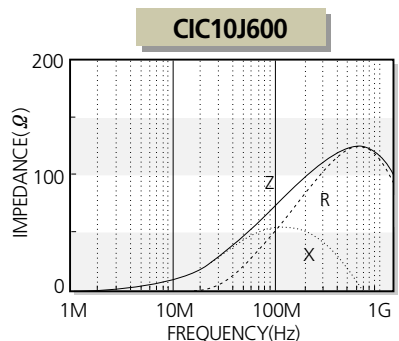
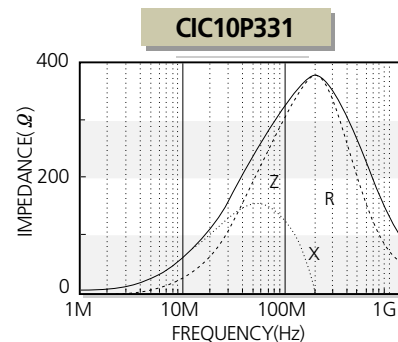
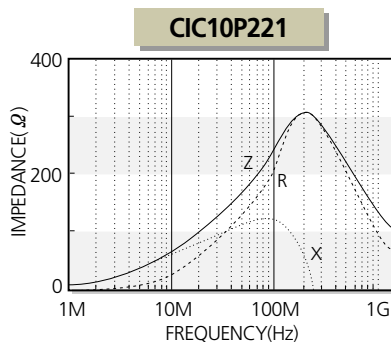
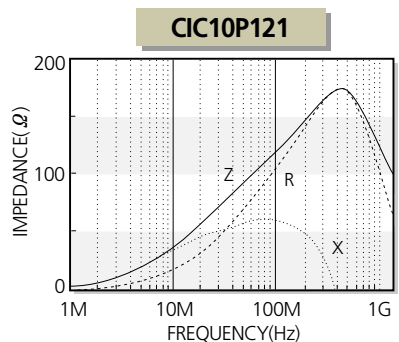
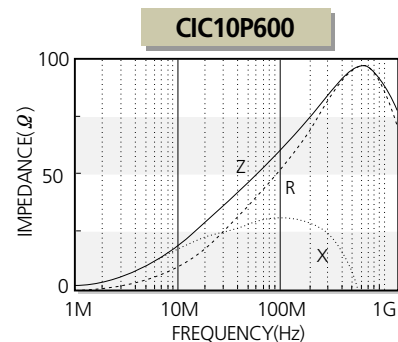
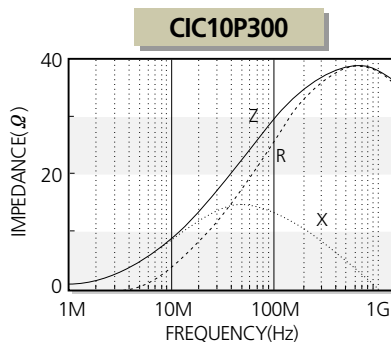
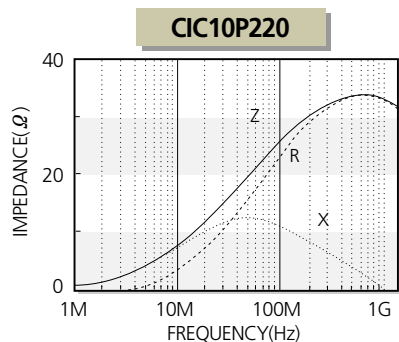


CIC05J600



CIC 1608(0603) Type

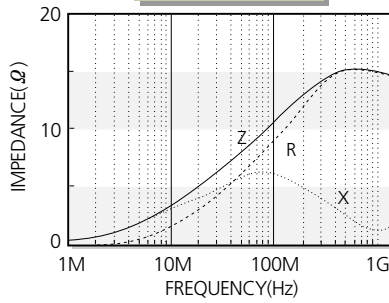
Part No.	Thickness (mm)	Impedance (Ω) $\pm 25\%$ @ 100 MHz	DC Resistance (Ω) Max.	Rated Current (mA) Max.
CIC 10P 080	0.80 ± 0.15	8	0.02	3000
CIC 10P 220	0.80 ± 0.15	22	0.025	3000
CIC 10P 300	0.80 ± 0.15	30	0.025	3000
CIC 10P 600	0.80 ± 0.15	60	0.05	2000
CIC 10P 121	0.80 ± 0.15	120	0.05	2000
CIC 10P 181	0.80 ± 0.15	180	0.09	1500
CIC 10P 221	0.80 ± 0.15	220	0.09	1000
CIC 10P 301	0.80 ± 0.15	300	0.15	750
CIC 10P 331	0.80 ± 0.15	330	0.15	1200
CIC 10J 080	0.80 ± 0.15	8	0.02	3000
CIC 10J 300	0.80 ± 0.15	30	0.03	2000
CIC 10J 600	0.80 ± 0.15	60	0.05	2000
CIC 10J 121	0.80 ± 0.15	120	0.05	2000
CIC 10J 221	0.80 ± 0.15	220	0.10	1500
CIC 10J 301	0.80 ± 0.15	300	0.15	800
CIC 10J 471	0.80 ± 0.15	470	0.15	800
CIC 10J 601	0.80 ± 0.15	600	0.15	750



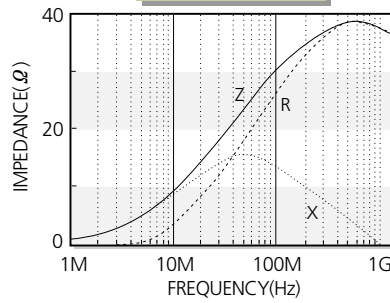
CIC 2012(0805) Type

Part No.	Thickness (mm)	Impedance (Ω) $\pm 25\%$ @ 100 MHz	DC Resistance (Ω) Max.	Rated Current (mA) Max.
CIC 21P 110	0.90 ± 0.2	11	0.01	3000
CIC 21P 300	0.90 ± 0.2	30	0.015	3000
CIC 21P 600	0.90 ± 0.2	60	0.025	3000
CIC 21P 101	0.90 ± 0.2	100	0.04	2000
CIC 21P 121	0.90 ± 0.2	120	0.05	2000
CIC 21P 221	0.90 ± 0.2	220	0.05	2000
CIC 21J 600	0.90 ± 0.2	60	0.03	2500
CIC 21J 121	0.90 ± 0.2	120	0.05	2500
CIC 21J 221	0.90 ± 0.2	220	0.05	1500
CIC 21J 301	0.90 ± 0.2	300	0.10	1500
CIC 21J 471	0.90 ± 0.2	470	0.08	1500
CIC 21J 601	0.90 ± 0.2	600	0.15	1000

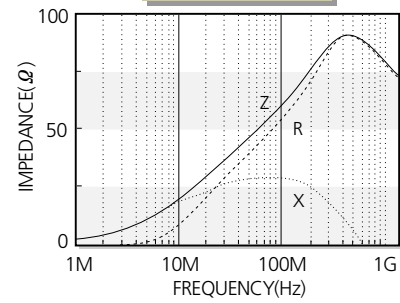
CIC21P110



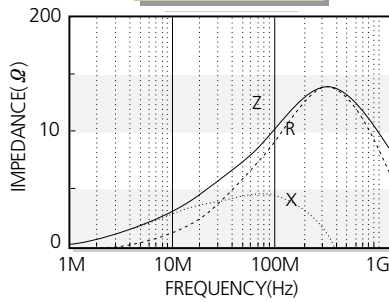
CIC21P300



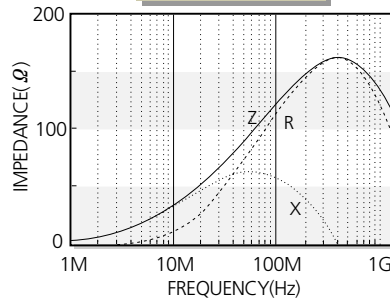
CIC21P600



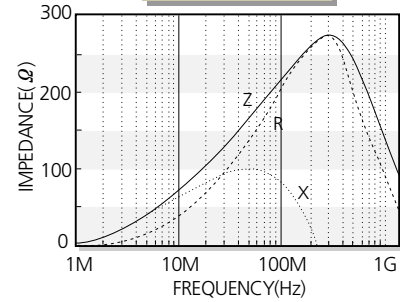
CIC21P101



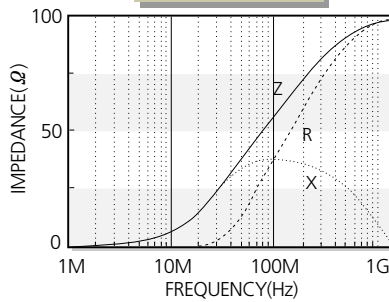
CIC21P121



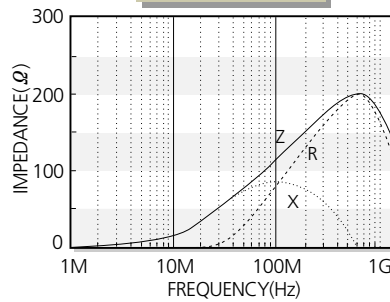
CIC21P221



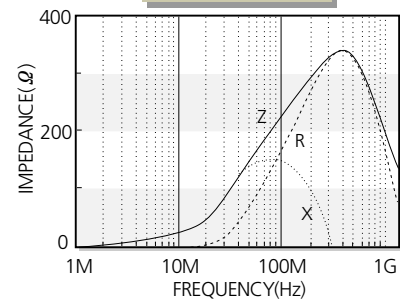
CIC21J600



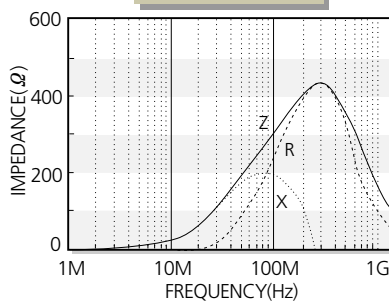
CIC21J121



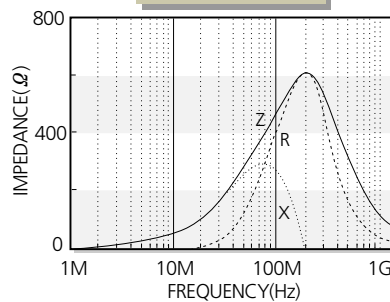
CIC21J221



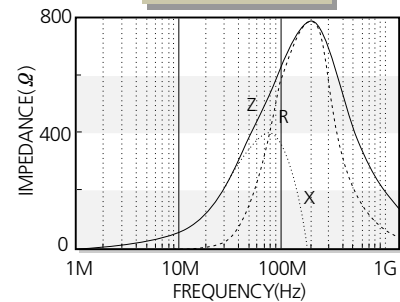
CIC21J301



CIC21J471

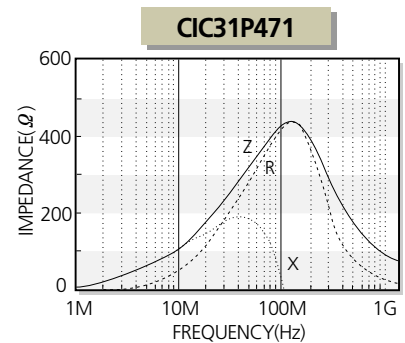
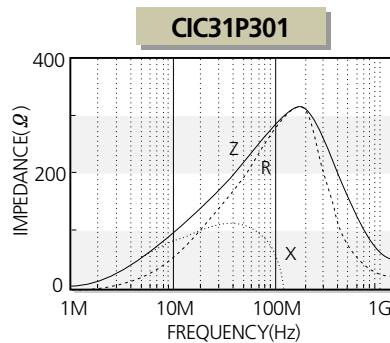
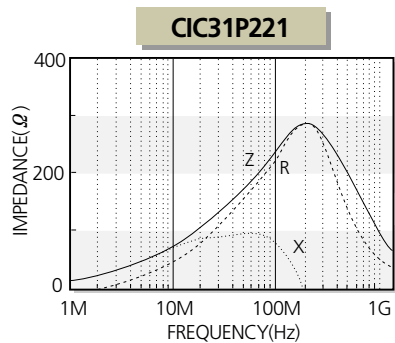
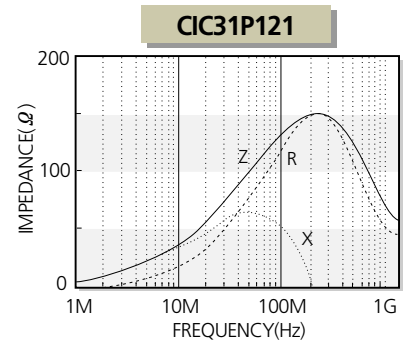
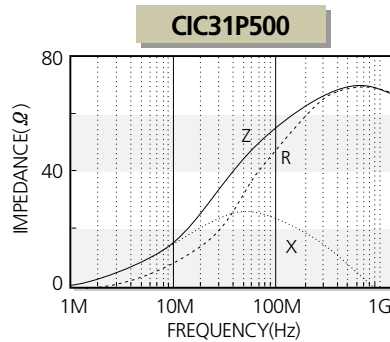
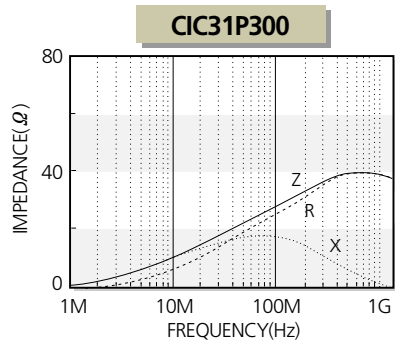


CIC21J601

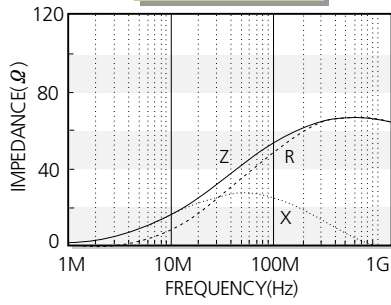


CIC 3216(1206) Type

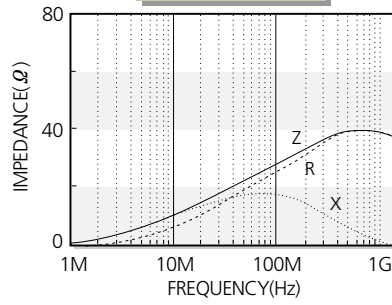
Part No.	Thickness (mm)	Impedance (Ω) $\pm 25\%$ @ 100 MHz	DC Resistance (Ω) Max.	Rated Current (mA) Max.
CIC 31P 300	1.1 ± 0.2	30	0.01	3000
CIC 31P 500	1.1 ± 0.2	50	0.025	3000
CIC 31P 700	1.1 ± 0.2	70	0.025	3000
CIC 31P 121	1.1 ± 0.2	120	0.025	2000
CIC 31P 221	1.1 ± 0.2	220	0.05	2000
CIC 31P 301	1.1 ± 0.2	300	0.05	2000
CIC 31P 471	1.1 ± 0.2	470	0.07	1500
CIC 31P 601	1.1 ± 0.2	600	0.15	1000
CIC 31J 300	1.1 ± 0.2	30	0.02	4000
CIC 31J 500	1.1 ± 0.2	50	0.02	4000
CIC 31J 800	1.1 ± 0.2	80	0.02	4000
CIC 31J 121	1.1 ± 0.2	120	0.03	4000
CIC 31J 241	1.1 ± 0.2	240	0.05	3000
CIC 31J 301	1.1 ± 0.2	300	0.05	3000
CIC 31J 471	1.1 ± 0.2	470	0.05	3000
CIC 31J 601	1.1 ± 0.2	600	0.05	2500



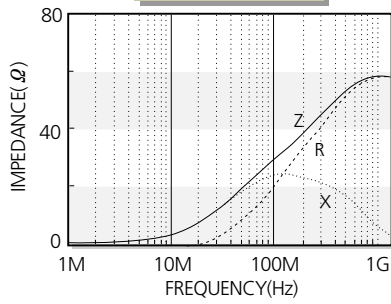
CIC31P500



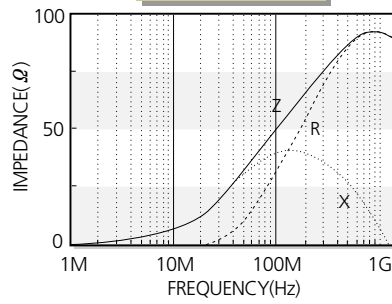
CIC31P601



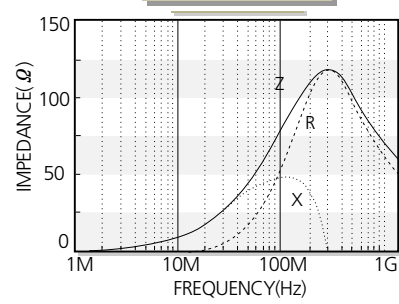
CIC31J300



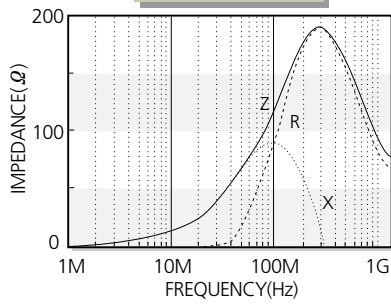
CIC31J500



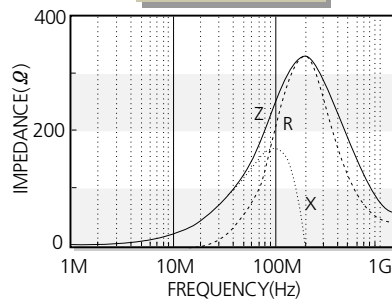
CIC31J800



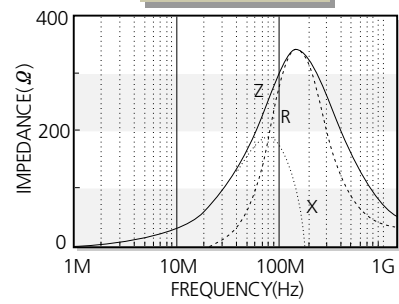
CIC31J121



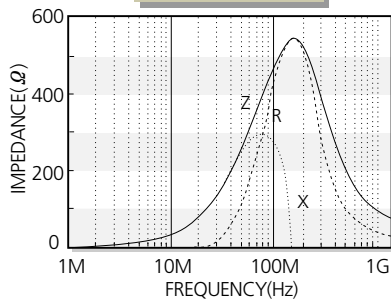
CIC31J241



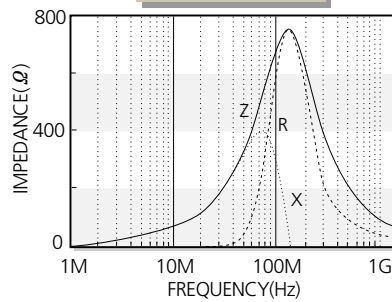
CIC31J301



CIC31J471



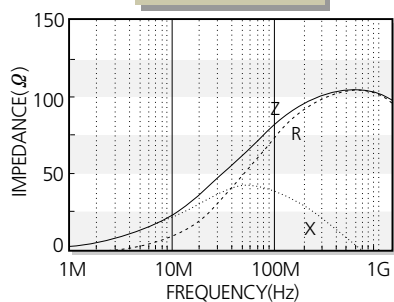
CIC31J601



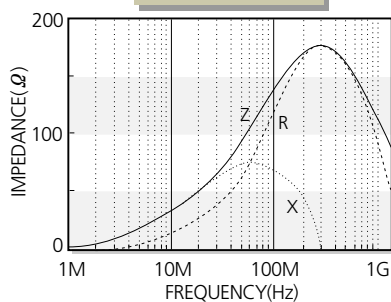
CIC 4516(1806) Type

Part No.	Thickness (mm)	Impedance (Ω) $\pm 25\%$ @ 100 MHz	DC Resistance (Ω) Max.	Rated Current (mA) Max.
CIC 41P 800	1.6 ± 0.2	80	0.01	3000
CIC 41P 121	1.6 ± 0.2	120	0.025	3000
CIC 41P 221	1.6 ± 0.2	220	0.05	2000
CIC 41P 301	1.6 ± 0.2	300	0.05	2000
CIC 41P 471	1.6 ± 0.2	470	0.05	2000
CIC 41P 601	1.6 ± 0.2	600	0.08	1500
CIC 41J 400	1.6 ± 0.2	40	0.01	3000
CIC 41J 800	1.6 ± 0.2	80	0.01	3000
CIC 41J 121	1.6 ± 0.2	120	0.03	3000
CIC 41J 221	1.6 ± 0.2	220	0.04	2500
CIC 41J 301	1.6 ± 0.2	300	0.04	2500
CIC 41J 471	1.6 ± 0.2	470	0.04	2500
CIC 41J 601	1.6 ± 0.2	600	0.04	2500

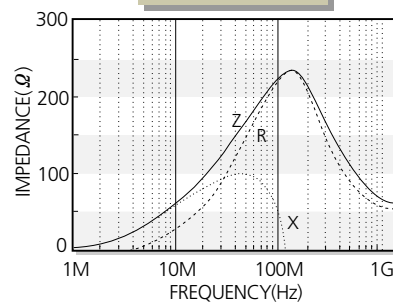
CIC41P800



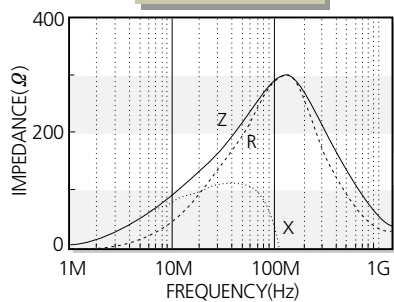
CIC41P121



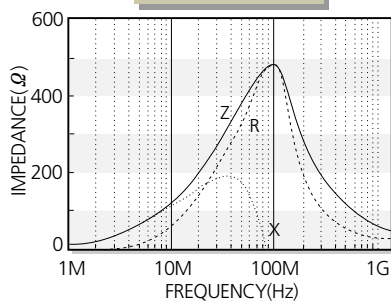
CIC41P221



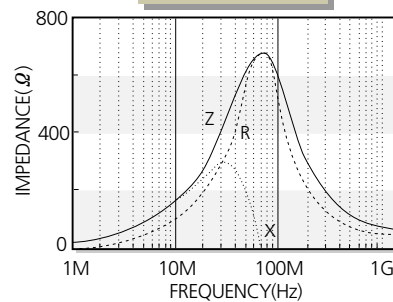
CIC41P301

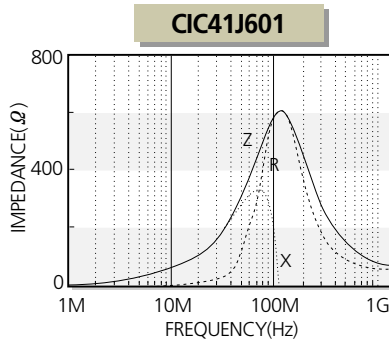
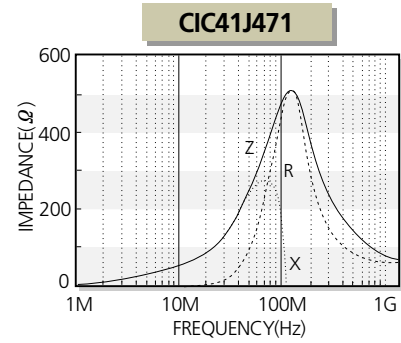
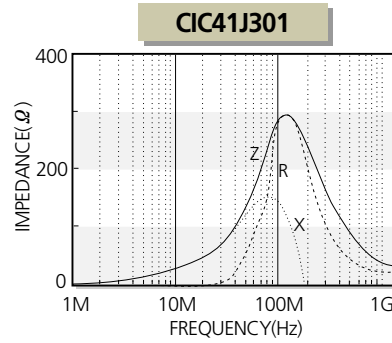
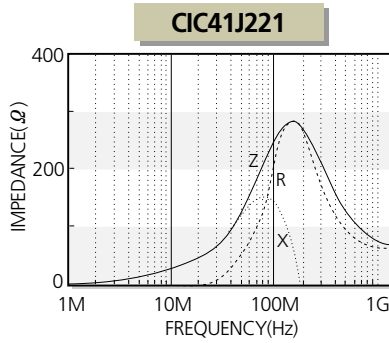
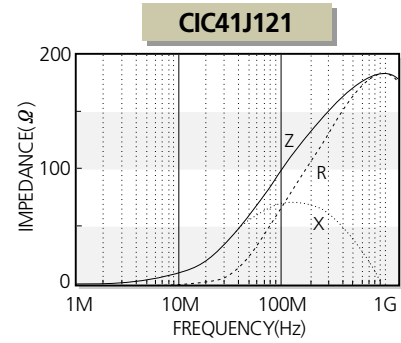
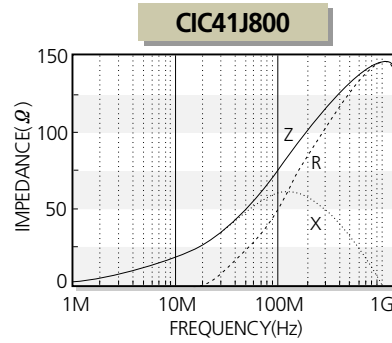
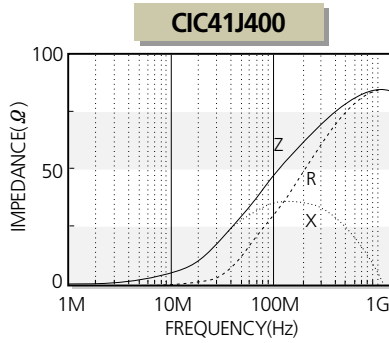


CIC41P471



CIC41P601

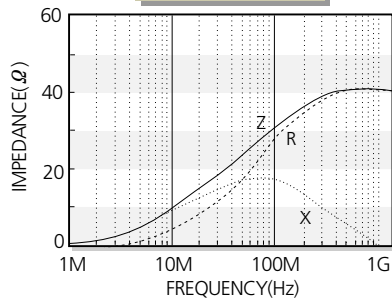




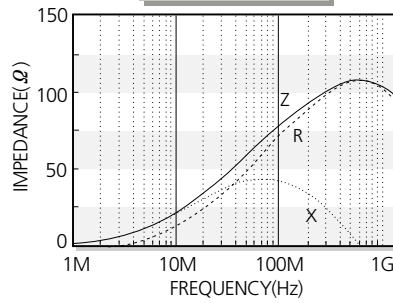
CIC 4532(1812) Type

Part No.	Thickness (mm)	Impedance (Ω)±25% @ 100 MHz	DC Resistance (Ω) Max.	Rated Current (mA) Max.
CIC 43P 300	1.5±0.2	30	0.03	3000
CIC 43P 700	1.5±0.2	70	0.03	3000
CIC 43P 121	1.5±0.2	120	0.03	3000
CIC 43P 221	1.5±0.2	220	0.05	2000
CIC 43P 301	1.5±0.2	300	0.05	2000
CIC 43P 471	1.5±0.2	470	0.05	2000
CIC 43P 601	1.5±0.2	600(at 50MHz)	0.05	3000
CIC 43J 300	1.5±0.2	30	0.02	3000
CIC 43J 121	1.5±0.2	120	0.03	3000
CIC 43J 301	1.5±0.2	300	0.04	3000
CIC 43J 471	1.5±0.2	470	0.04	3000
CIC 43J 601	1.5±0.2	600	0.04	3000

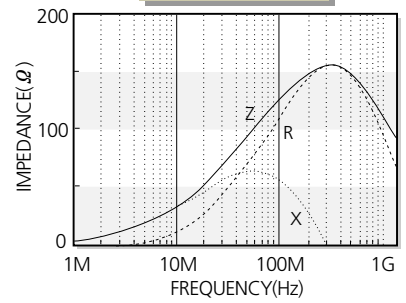
CIC43P300



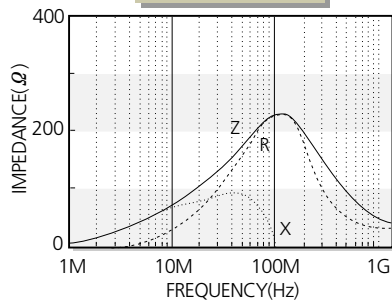
CIC43P700



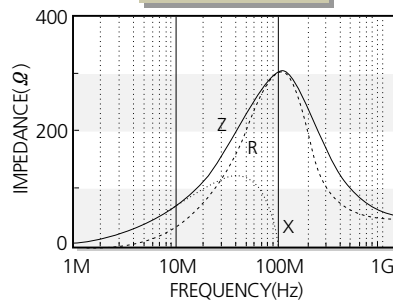
CIC43P121



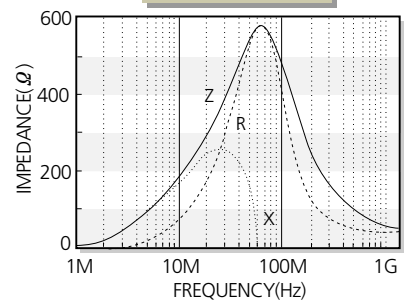
CIC43P221



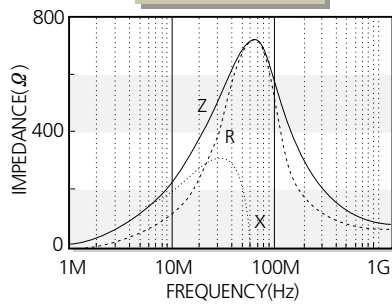
CIC43P301



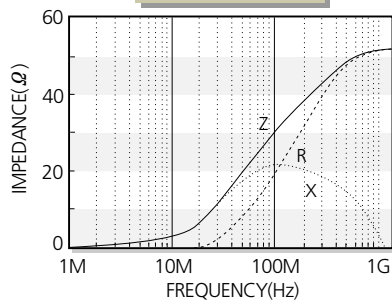
CIC43P471



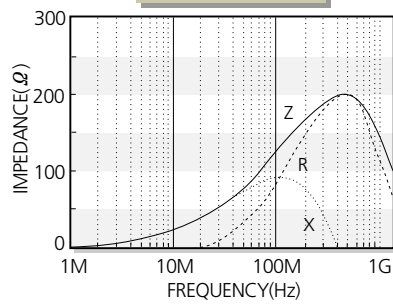
CIC43P601



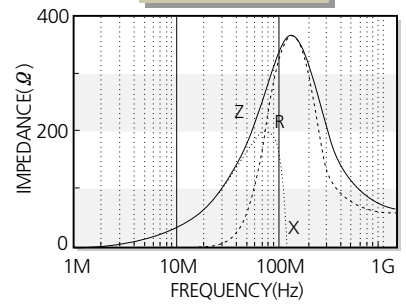
CIC43J300



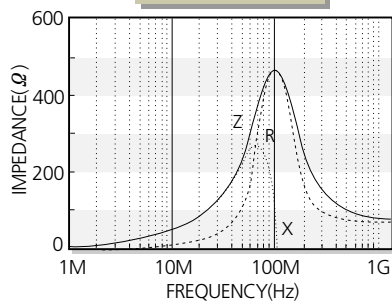
CIC43J121



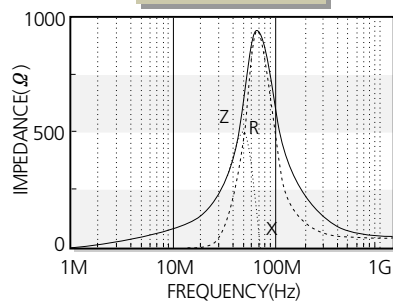
CIC43J301



CIC43J471



CIC43J601



CIS Series

Part No.	Thickness (mm)	Impedance (Ω) $\pm 25\%$ @ 100 MHz	DC Resistance (Ω) Max.	Rated Current (mA) Max.
CIS 10P 260	0.6 ± 0.15	26	0.007	6000
CIS 10J 300	0.8 ± 0.15	30	0.01	6000
CIS 21P 300	0.9 ± 0.2	30	0.01	5000
CIS 21J 121	0.9 ± 0.2	120	0.02	5000
CIS 32P 520	1.3 ± 0.2	52	0.01	6000
CIS 32J 121	1.3 ± 0.2	120	0.02	5000
CIS 41P 600	$1.6 \pm 0.2 / 1.2 \pm 0.2$	60	0.01	6000
CIS 41J 600	$1.6 \pm 0.2 / 1.2 \pm 0.2$	60	0.01	6000
CIS 43J 121	1.5 ± 0.2	120	0.02	6000
CIS 43P 241	1.5 ± 0.2	240	0.02	6000

Customized products are available.

Test equipment : Agilent 4291B+16192A (1005)

Agilent 4291B+16193A (1608 and others)

