

Chip Bead For High Current

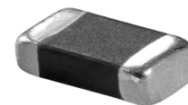
CIC31 Series (3216/ EIA 1206)

APPLICATION

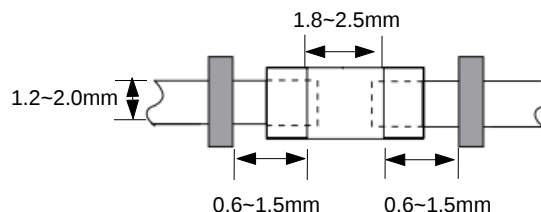
Noise Suppression in power line

FEATURES

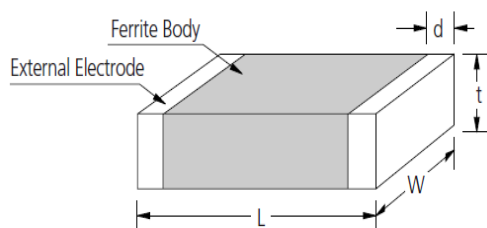
- CIC series is used for high current. (~ 3A)



RECOMMENDED LAND PATTERN



DIMENSION



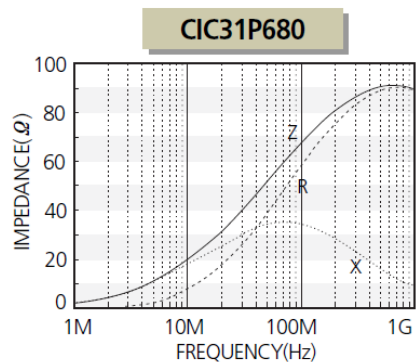
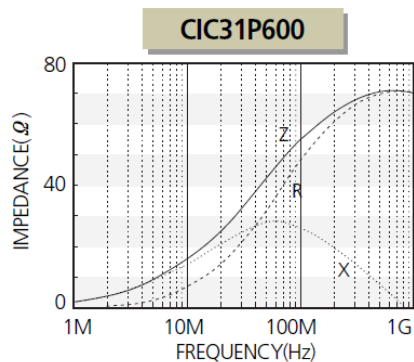
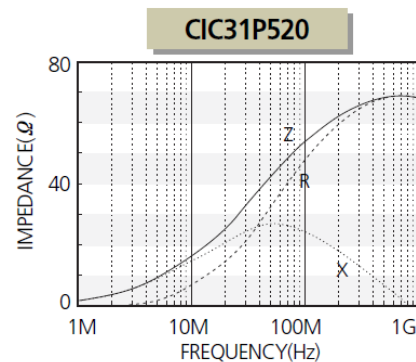
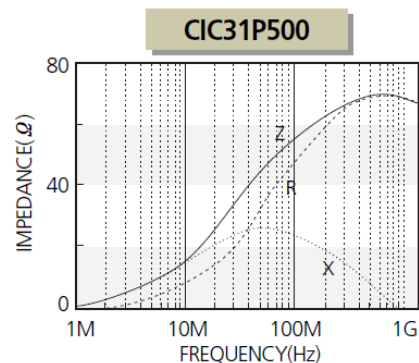
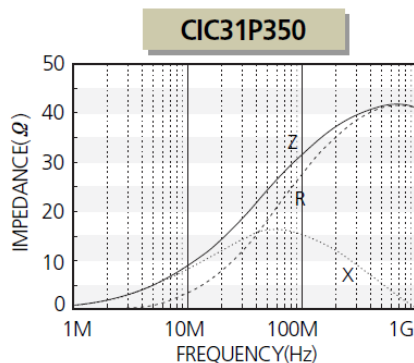
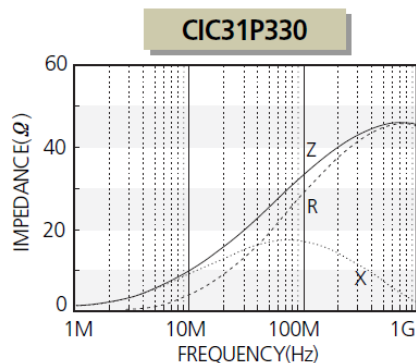
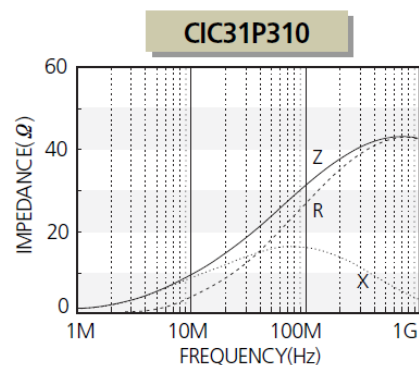
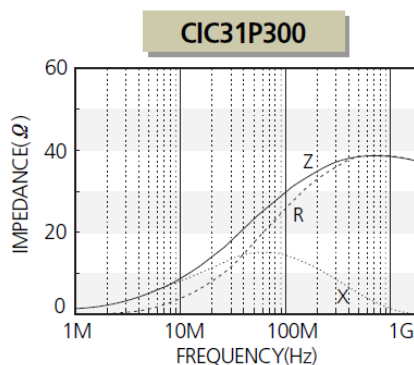
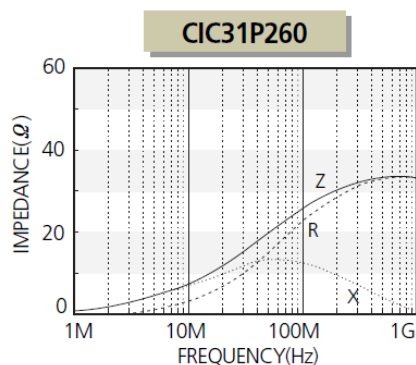
Type	Dimension [mm]			
	L	W	t	d
31	3.2±0.2	1.6±0.2	1.1±0.2	0.5+0.2 -0.3

DESCRIPTION

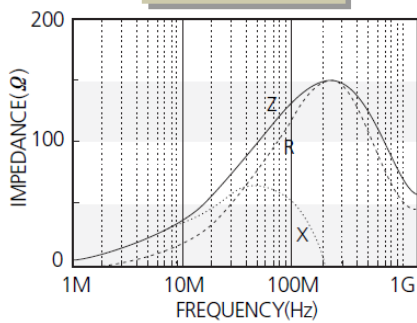
Part no.	Thickness (mm)	Impedance (Ω)±25%@100MHz	DC Resistance (Ω) Max.	Rated Current (mA) Max.
CIC31P260	1.1±0.2	26	0.01	6000
CIC31P300	1.1±0.2	30	0.01	6000
CIC31P310	1.1±0.2	31	0.01	6000
CIC31P330	1.1±0.2	33	0.01	6000
CIC31P350	1.1±0.2	35	0.025	3000
CIC31P500	1.1±0.2	50	0.025	3000
CIC31P520	1.1±0.2	52	0.025	3000
CIC31P600	1.1±0.2	60	0.025	3000
CIC31P680	1.1±0.2	68	0.025	3000
CIC31P700	1.1±0.2	70	0.025	3000
CIC31P800	1.1±0.2	80	0.025	3000
CIC31P900	1.1±0.2	90	0.025	2000
CIC31P121	1.1±0.2	120	0.025	2000
CIC31P151	1.1±0.2	150	0.05	2000
CIC31P221	1.1±0.2	220	0.05	2000
CIC31P301	1.1±0.2	300	0.05	2000
CIC31P391	1.1±0.2	390	0.05	2000
CIC31P471	1.1±0.2	470	0.07	1500

Part no.	Thickness (mm)	Impedance (Ω) $\pm 25\%$ @100MHz	DC Resistance (Ω) Max.	Rated Current (mA) Max.
CIC31P601	1.1 $\pm$ 0.2	600	0.07	1500
CIC31J300	1.1 $\pm$ 0.2	30	0.02	4000
CIC31J500	1.1 $\pm$ 0.2	50	0.02	4000
CIC31J680	1.1 $\pm$ 0.2	68	0.02	4000
CIC31J800	1.1 $\pm$ 0.2	80	0.02	4000
CIC31J900	1.1 $\pm$ 0.2	90	0.02	4000
CIC31J121	1.1 $\pm$ 0.2	120	0.03	4000
CIC31J151	1.1 $\pm$ 0.2	150	0.03	3000
CIC31J241	1.1 $\pm$ 0.2	240	0.05	3000
CIC31J301	1.1 $\pm$ 0.2	300	0.05	3000
CIC31J471	1.1 $\pm$ 0.2	470	0.05	3000
CIC31J501	1.1 $\pm$ 0.2	500	0.05	3000
CIC31J601	1.1 $\pm$ 0.2	600	0.05	2500

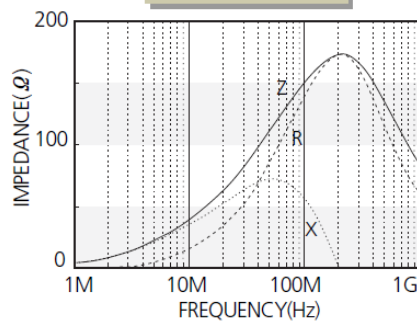
CHARACTERISTIC DATA



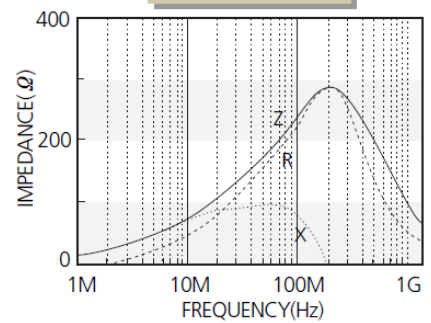
CIC31P121



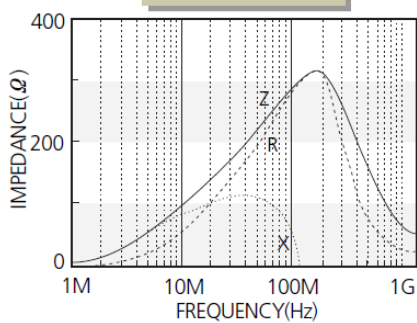
CIC31P151



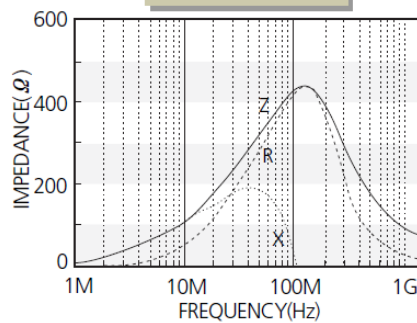
CIC31P221



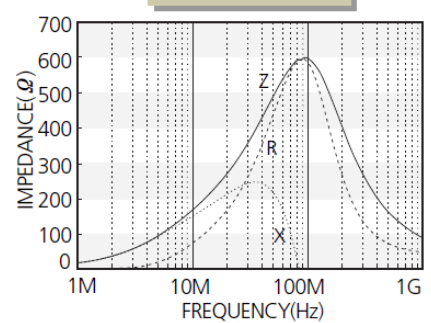
CIC31P301



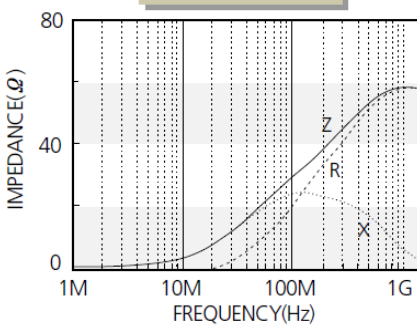
CIC31P471



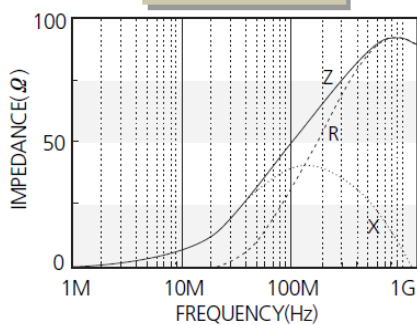
CIC31P601



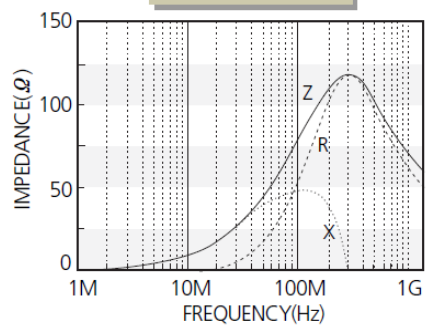
CIC31J300



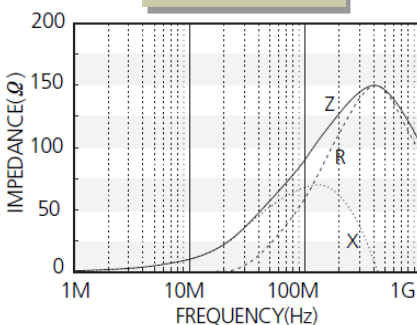
CIC31J500



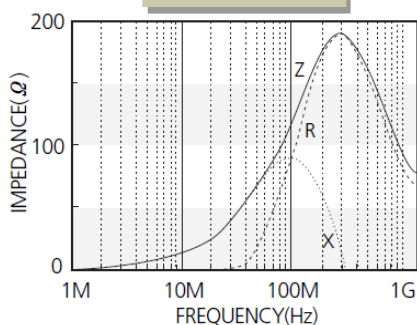
CIC31J800



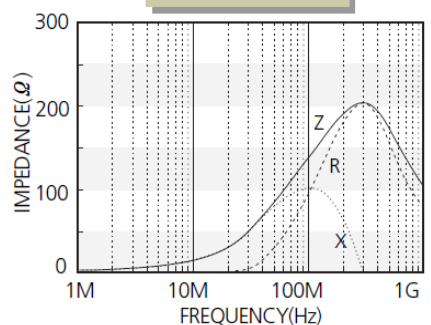
CIC31J900



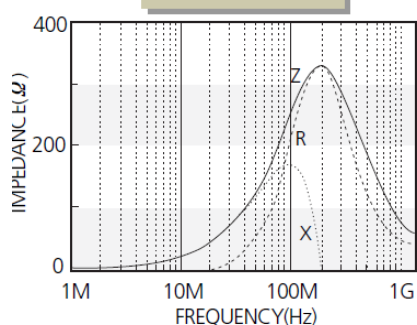
CIC31J121



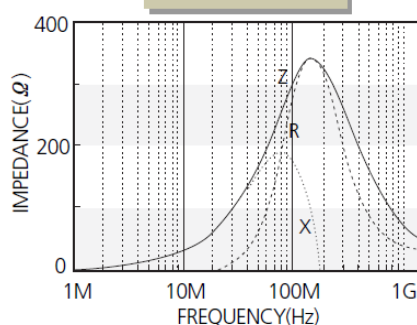
CIC31J151



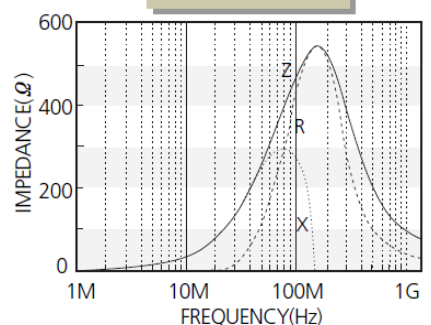
CIC31J241

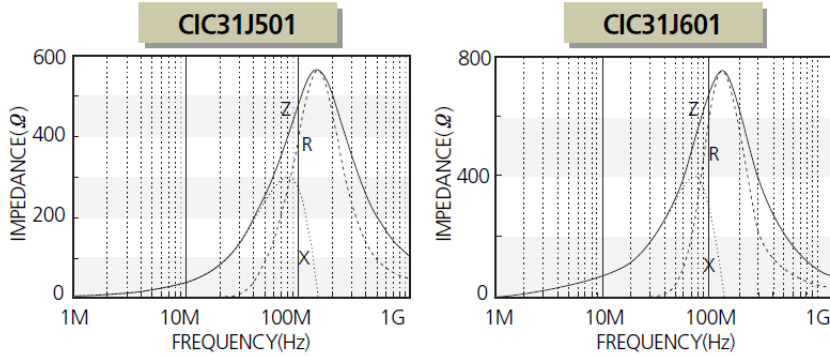


CIC31J301



CIC31J471





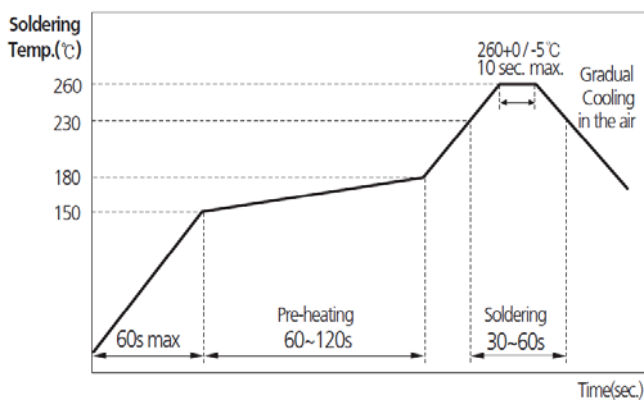
PRODUCT IDENTIFICATION

CI C 31 P 300 N E
(1) (2) (3) (4) (5) (6) (7)

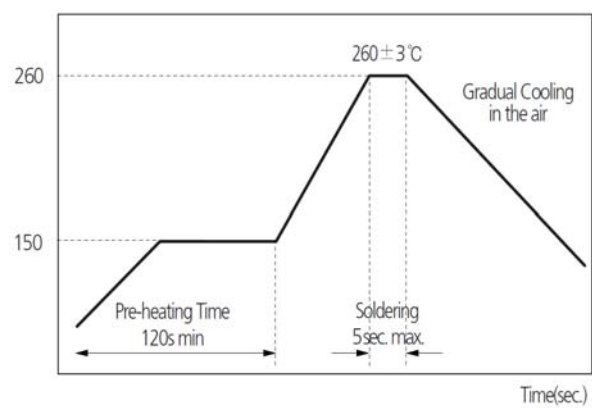
- | | |
|--|-----------------------------|
| (1) Chip Beads | (2) For High current(C:~3A) |
| (3) Dimension | (4) Material Code |
| (5) Nominal impedance (300:30Ω, 221:220Ω) | |
| (6) Thickness option(N:Standard, A:Thinner than standard, B:Thicker than standard) | |
| (7) Packaging(C:paper tape, E:embossed tape) | |

RECOMMENDED SOLDERING CONDITION

REFLOW SOLDERING



FLOW SOLDERING



PACKAGING

Packaging Style	Quantity(pcs/reel)
Embossed Taping	3,000



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The data sheets include the typical data for design reference only. If there is any question regarding the data sheets, please contact our sales personnel or application engineers.