CHIP TYPE EMI FILTER ARRAYS [CNA30 Series]

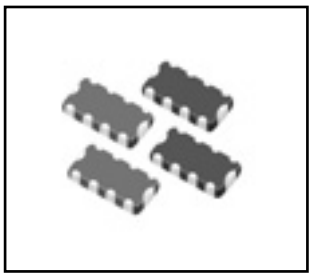
The EMI chip filter in the CNA30 Series is a compound type EMI filter with four built-in 3-terminal capacitors on one chip of 3216 size.

■Features

- The structure minimizes the residual inductance, and the self resonant frequency is high, ensuring large insertion loss in the wide band.
- The common gland electrode built in a chip ensures complete grounding of all lines at the gland on both ends. The filter is designed to control cross talk.
- An optimum constant can be selected from the capacity range of 22-22,000 pF to best suit the frequency.
- Nickel and tin plated barrier terminations offer good solderability and resistance to soldering heat.
- RoHS Compliant.

■Applications

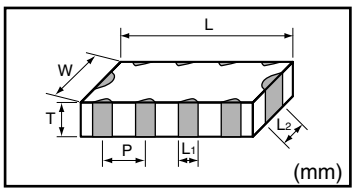
Noise reduction for DC lines in computers, computer peripheral equipment, digital TV, DVD recorder, cellular telephone, automotive electronics, printer, FAX, etc.



■Part Number System

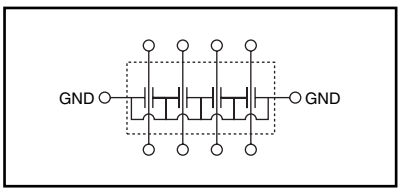
CNA	30	R	223	M	–	T	M
Series	Style 30 : 3.2×1.6 (L) (W)	Temperature characteristics C : ±30ppm/°C R : ±15% U : –750±120 ppm/°C	Capacitance	Capacitance tolerance M : ±20%		Packing form T : Taping B : Bulk	Termination M : Ni-Barrier termination

■Dimensions



Type	L	W	t	L1	L2	P
CNA30	3.2±0.2	1.6±0.2	0.7±0.2	0.4±0.2	0.8±0.2	0.8±0.1

■Equivalent circuit



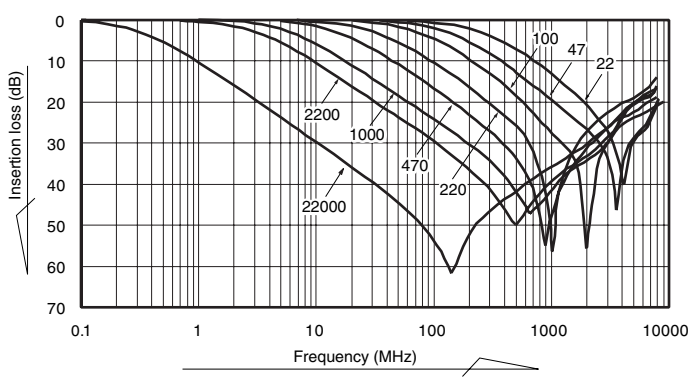
■Part Number List • Specifications

Part number	Capacitance	Capacitance tolerance	Rated voltage	Rated current	IR	DC resistance	Temp. range
CNA30C220M–□M	22pF	±20%	50V DC	0.3A DC	10,000MΩmin.	0.3Ωmax.	–55~+125°C
CNA30C470M–□M	47pF						
CNA30C101M–□M	100pF						
CNA30C221M–□M	220pF						
CNA30U471M–□M	470pF						
CNA30R102M–□M	1,000pF						
CNA30R222M–□M	2,200pF						
CNA30R223M–□M	22,000pF		25V DC				

□ : "T" stands for taping package and "B" stands for bulk package.

■Insertion loss (Reference)

CNA30 TYPE



EMI FILTERS