

CHIP TYPE EMI FILTERS [CNF10 · CNH10 Series]

The CNF10 · CNH10 series is an extremely small (1.6×0.8) 3-terminal chip capacitor. It is well suited for reducing EMI noise.

■ Features

- Due to its small size and low residual inductance, it performs noise reduction at higher frequencies than conventional capacitors.
- Nickel and tin plated barrier terminations offer good solderability and resistance to soldering heat.
- RoHS Compliant.

■ Applications

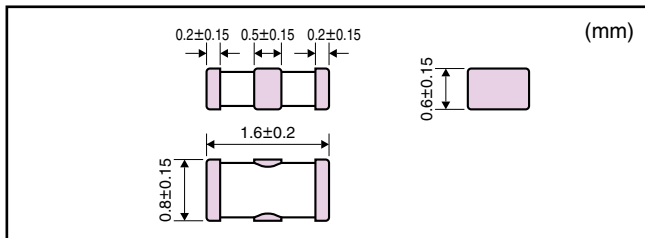
Noise reduction for computers, computer peripheral equipment, digital TV, DVD recorder, cellular telephone, automotive electronics, etc.



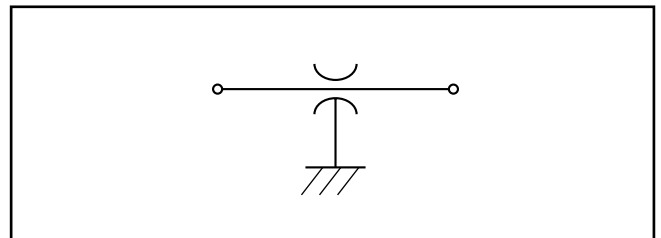
■ Part Number System

CNF	10	R	102	S	-	T	M
Series	Style 10 : 1.6×0.8 (L) (W)	Temperature characteristics C : ±30ppm/°C U : -750±120ppm/°C R : ±15% F : +30,-80%	Capacitance	Capacitance tolerance S : +50,-20% Z : +80,-20%		Packing form T : Taping B : Bulk	Termination M : Ni-Barrier termination

■ Dimensions



■ Equivalent circuit



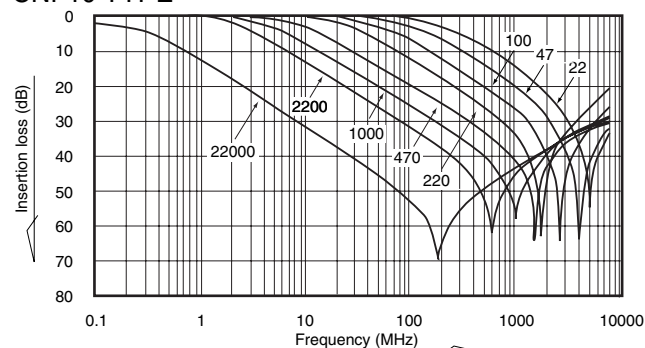
■ Part Number List • Specifications

Part number	Capacitance	Capacitance tolerance	Rated voltage	Rated current	IR	DC resistance	Temp. range
CNF10C220S—□M	22pF	+50, -20%	50V DC	0.3A DC	10,000MΩmin.	0.3 Ωmax.	-55~+125°C
CNF10C470S—□M	47pF						
CNF10C101S—□M	100pF						
CNF10U221S—□M	220pF						
CNF10R471S—□M	470pF						
CNF10R102S—□M	1,000pF						
CNF10R222S—□M	2,200pF						
CNF10R223S—□M	22,000pF		25V DC	0.5A DC		0.15Ωmax.	
CNH10R682M—□M	6,800pF	±20%	16V DC	2 A DC		0.06Ωmax.	
CNH10F104Z—□M	100,000pF	+80, -20%	25V DC	1 A DC	1,000MΩmin.	0.08Ωmax.	-25~+ 85°C
CNH10R105M—□M	1μF	±20%	6.3V DC	2 A DC	500MΩmin.	0.06Ωmax.	-55~+ 85°C

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

■ Insertion loss (Reference)

CNF10 TYPE



CNH10 TYPE

