

## CHIP TYPE EMI FILTERS [ CNF20 Series ]

The CNF20 series is an extremely small (2.0×1.25) 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.
- An optimum constant can be selected according to the frequency from the 22-2,200 pF capacitance range.
- Nickel and tin plated barrier terminations offer good solderability and resistance to soldering heat.
- RoHS Compliant.

### ■ Applications

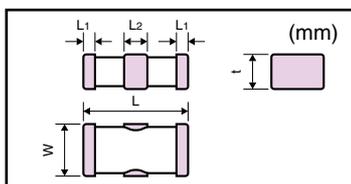
Noise reduction for computers, computer peripheral equipment, digital TV, DVD recorder, cellular telephone, automotive electronics, etc.



### ■ Part Number System

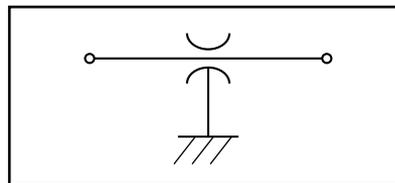
<b>CNF</b>	<b>20</b>	<b>R</b>	<b>102</b>	<b>S</b>	<b>-</b>	<b>T</b>	<b>M</b>
Series	Style 20 : 2.0×1.25 (L) (W)	Temperature characteristics C : ±30ppm/°C R : ±15%	Capacitance	Capacitance tolerance S : +50,-20%		Packing form T : Taping B : Bulk	Termination M : Ni-Barrier termination

### ■ Dimensions



Type	L	W	t	L1	L2
CNF20	2.0±0.2	1.25±0.2	0.8±0.2	0.3±0.2	0.6±0.2

### ■ Equivalent circuit



### ■ Part Number List • Specifications

Part number	Capacitance	Capacitance tolerance	Rated voltage	Rated current	IR	DC resistance	Temp. range
CNF20C220S-□M	22pF	+50, -20%	50V DC	0.4A DC	10,000MΩmin.	0.3 Ωmax.	-55~+125°C
CNF20C470S-□M	47pF						
CNF20C101S-□M	100pF						
CNF20C221S-□M	220pF						
CNF20R471S-□M	470pF						
CNF20R102S-□M	1,000pF						
CNF20R222S-□M	2,200pF						

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

### ■ Insertion loss (Reference)

