

### Features

1. Effective for suppressing noise in high speed digital signal line.
2. Terminal electrode has excellent solder heat resistance for soldering.
3. Lead Free (RoHS Compliance).

### Applications

1. High resolution video signal lines.
2. EMI countermeasure for clock signal lines.
3. RF module of telecommunication products.

### Ordering Information

**SEF - 2012 - 220 - J T**  
 (1) (2) (3) (4) (5)

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**(1) Series**

SEF : Chip EMI filter

**(4) Termination**

J : Nickel barrier

**(2) Dimensions**

First two digits : length(mm)  
 Last two digits : width(mm)

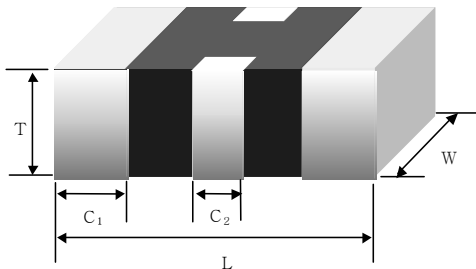
**(5) Packaging**

B : Bulk package  
 T : Tape & Reel (Φ178mm [ 7 inches ])  
 L : Tape & Reel (Φ254mm [ 10 inches ])

**(3) Normal capacitance**

First two digits are capacitance value.  
 Last digit is the number of zeros following.

### Shape and Dimensions



unit : mm(inches)

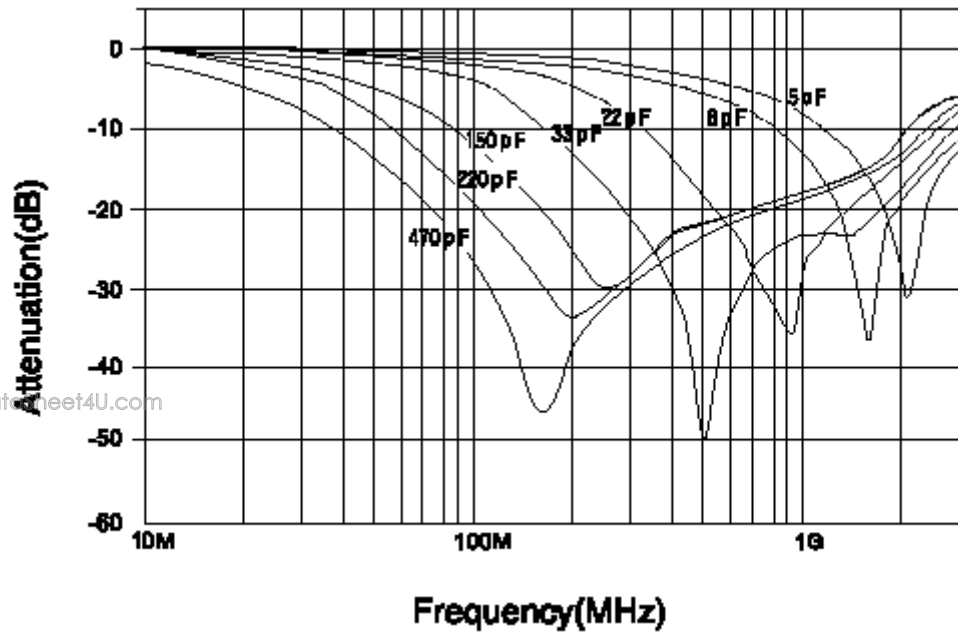
Type	L	W	T	C1	C2
SEF-2012-	2.0±0.2 [.079±.008]	1.25±0.2 [.049±.008]	0.8±0.2 [.031±.008]	0.3±0.2 [.012±.008]	0.4±0.2 [.016±.008]

### Electrical Parameters

Part No.	Capacitance	Cut-off Frequency	DC Resistance	Rated Current	Rated Voltage
SEF-2012-050□□	5pF(+50/-20)%	600MHz	200 mΩ Max.	300 mA max.	10 Vdc max.
SEF-2012-080□□	8pF(+50/-20)%	350MHz			
SEF-2012-220□□	22pF(+50/-20)%	150MHz			
SEF-2012-330□□	33pF(+50/-20)%	100MHz			
SEF-2012-151□□	150pF(+50/-20)%	40MHz			
SEF-2012-221□□	220pF(+50/-20)%	25MHz			
SEF-2012-471□□	470pF(+50/-20)%	15MHz			

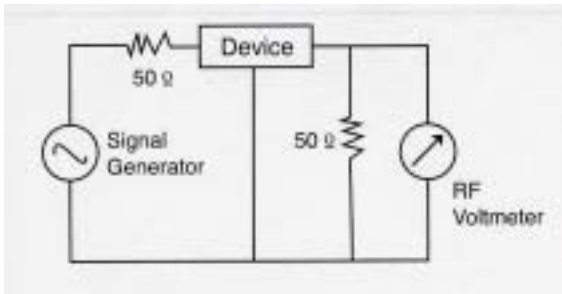
\*All specifications are subject to change without notice.

Electrical Characteristic Curves

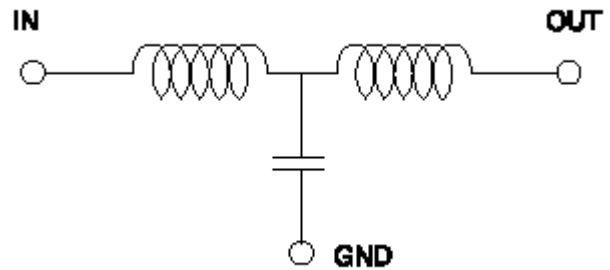


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Attenuation Measuring Circuit



Equivalent circuit



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