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)

(1) Series
SEF : Chip EMI filter

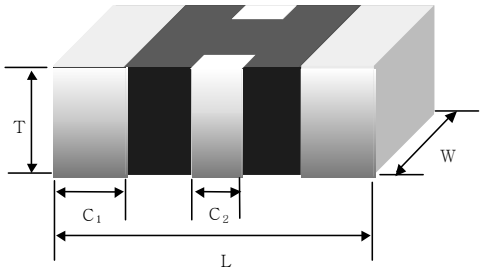
(2) Dimensions
First two digits : length(㎜)
Last two digits : width(㎜)

(3) Normal capacitance
First two digits are capacitance value.
Last digit is the number of zeros following.

(4) Termination
J : Nickel barrier

(5) Packaging
B : Bulk package
T : Tape & Reel (Φ178㎜ [7 inches])
L : Tape & Reel (Φ254㎜ [10 inches])

Shape and Dimensions



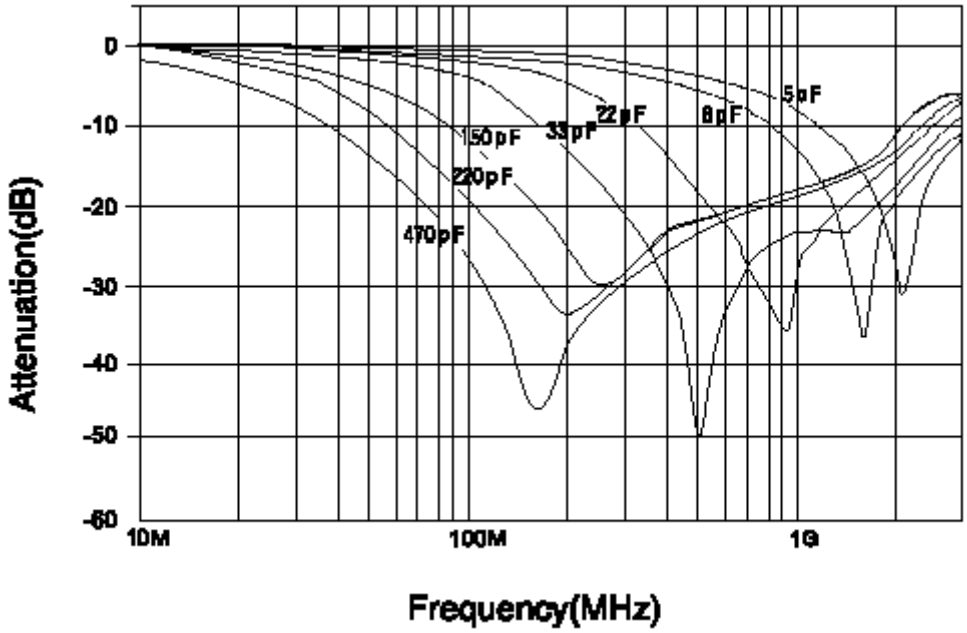
unit : mm(inches)

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]

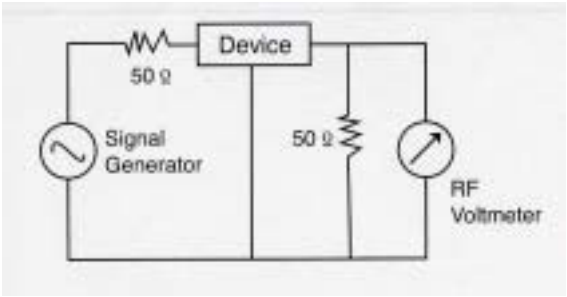
Electrical Parameters

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			

Electrical Characteristic Curves



Attenuation Measuring Circuit



Equivalent circuit