

### Coil type EMI Filters (DNF)

Japan

Type: **ELKE** (3218 size)



Panasonic EMI filter(DNF) products provide the most economical EMI filtering available for PC board power traces, and for high speed input/output circuitry.

They are reflow soldering T circuitry products consisting of a capacitance and two composite ferrite inductances

**Industrial Property:** Patents 2 (pending)

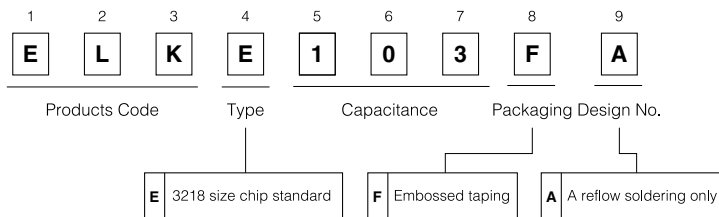
#### ■ Features

- Little distortion of pulse signal due to sharp attenuation characteristics and good noise reduction to 6GHz.
- No variation of noise reduction characteristics as DC (direct current) increases.

#### ■ Recommended Applications

- DC line, signal line, control line, I/O line for digital AV equipment, computer, communication equipment, game machines and electronic musical instruments.

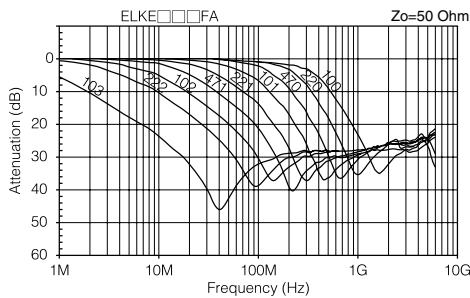
#### ■ Explanation of Part Numbers



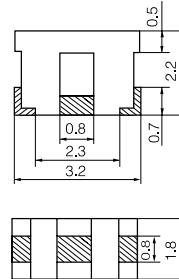
### ■ Performance Specifications Summary

Part No.	Cut off frequency	Inner Capacitance	Voltage	Current/RDC
ELKE100FA	250 MHz	10 pF typ.	50 V max.	2 A max./0.02 $\Omega$ typ.
ELKE220FA	200	22		
ELKE470FA	100	47		
ELKE101FA	50	100		
ELKE221FA	25	220		
ELKE471FA	10	470		
ELKE102FA	5	1000		
ELKE222FA	2	2200		
ELKE103FA	0.5/DC	10000		

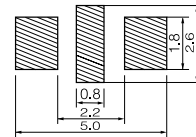
### ■ Performance Characteristics



### ■ Dimensions in mm (not to scale)

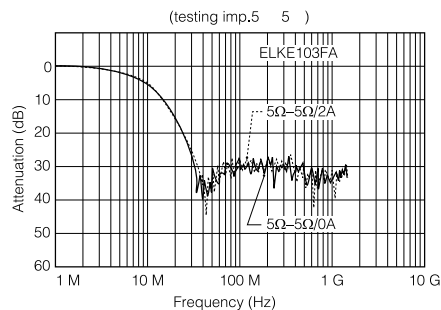


### ● Recommended Land Pattern in mm (not to scale)



- Standard Packing Quantity Embossed taping  
2000 pcs./reel

### ■ Example of attenuation characteristics added DC



### ● Measurement Block Diagram

