

Using breakthrough technology,
we aim for products that will create new markets.

New Product News

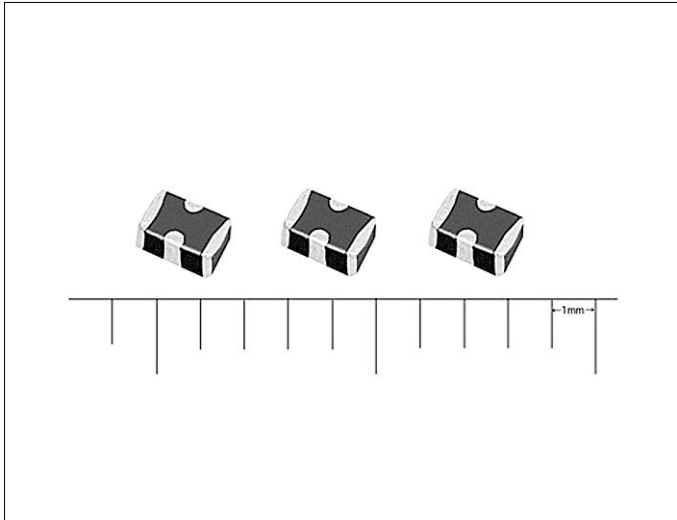
Enhanced Production Line Up

EMI Filters

2012 Size Coil type EMI Filters

Industry/Field: AV, OA / Information, Mobile communication, Amusement,
Electronic instruments, Home appliances, Industrial equipment

Suitable suppressing the EMI Noise for High Frequency Clock and Video Signal Line



• Development Target:

For taking measures against great demand of EMI filters that is superior to beads filter for rapid attenuation characteristics, as a consequence of development of high speed computer and digital video equipment

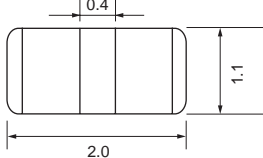
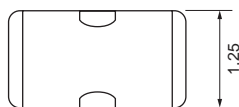
• Features:

- ① Applying 2012 size and is available High density mounting
- ② Steep attenuation and high attenuation at High Frequency (30db/1GHz)
- ③ Response to High Frequency signal (f_c to 500MHz)

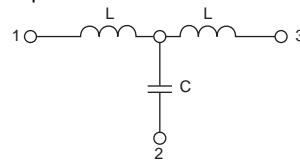
• Number of industrial property rights: 4 (pending)

• Construction:

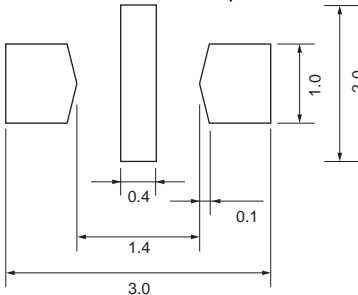
■ Construction



■ Equivalent Circuit

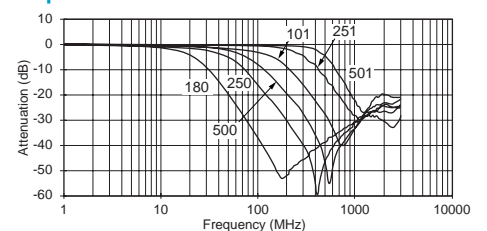


■ Recommended land pattern

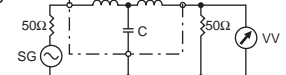


• Characteristics/specifications:

■ Attenuation Characteristics



● Test Circuit Diagram



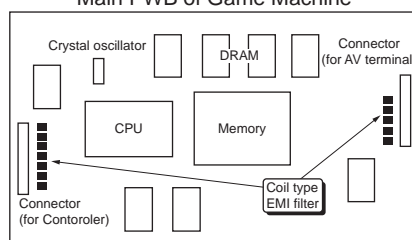
■ Characteristics / specification

Cut off Freq. (fc)	Part No.	Voltage	Current	Operating Temperature
18MHz	ELKD180FB	10V max.	0.1A max.	-20°C to +85°C
25MHz	ELKD250FB			
50MHz	ELKD500FB			
100MHz	ELKD101FB			
250MHz	ELKD251FB			
500MHz	ELKD501FB			

• Applications/usage examples:

- PC, Digital TV, HDTV, DVD, Display, PDA, Game machine, Electronic musical instrument

Main PWB of Game Machine



• Explanation of part numbers:

1	2	3	4	5	6	7	8	9
E	L	K	D	1	8	0	F	B
Products Code			Type	Cut off Frequency		Packaging	Design No.	