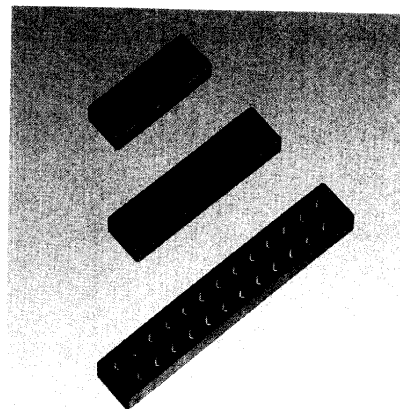
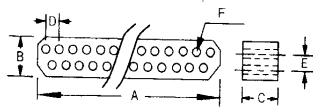


# FILTERING

## FERRITE PLATES FOR D-SUB AND CPU

### Features

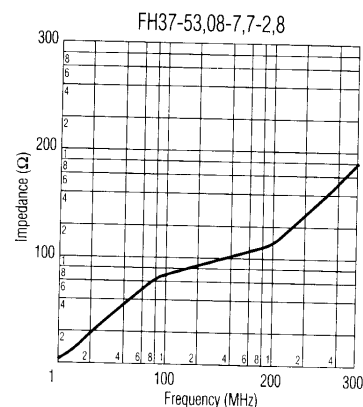
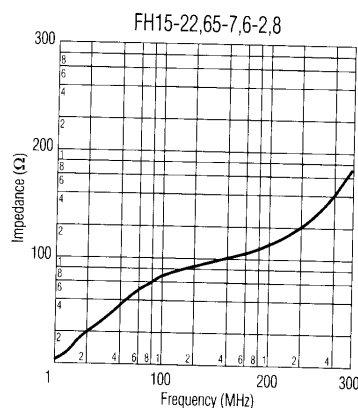
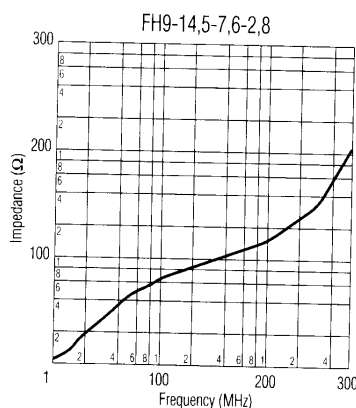
- EMI suppression is achieved by simply inserting the D sub-plate on the pins of the connector.
- Space-savings is achieved due to being integrated in the connector.
- Compared with the bead cores, the number of parts are reduced.



### Applications

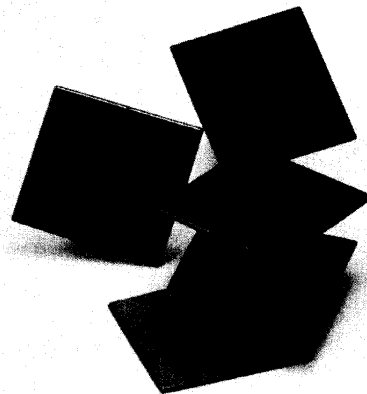
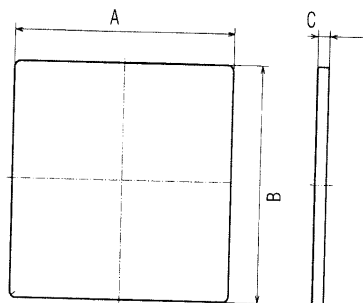
- Noise suppression components for connectors, D sub-type connectors for CRT, mouse, RS232C interface of computer, etc.

| Part No.           | Unit: mm |     |     |      |      |      | Number of holes | Impedance (Ω) |        | Application         |
|--------------------|----------|-----|-----|------|------|------|-----------------|---------------|--------|---------------------|
|                    | A        | B   | C   | D    | E    | øF   |                 | 25MHz         | 100MHz |                     |
| FH9-14,5x7,6x2,8   | 14,5     | 7,6 | 2,8 | 2,74 | 2,84 | 1,57 | 9               | 35            | 64     | for D sub-connector |
| FH15-22,65x7,6x2,8 | 22,65    | 7,6 | 2,8 | 2,77 | 2,84 | 1,57 | 15              | 34            | 65     | for D sub-connector |
| FH25-36,4x7,6x2,8  | 36,4     | 7,6 | 2,8 | 2,77 | 2,84 | 1,57 | 25              | 33            | 64     | for D sub-connector |
| FH37-53,08x7,7x2,8 | 53,08    | 7,7 | 2,8 | 2,77 | 2,84 | 1,5  | 37              | 34            | 65     | for D sub-connector |



### Features

- Thermally conductive ferrite plates designed for EMI absorption for ICs, CPUs and busdrives running at high clock speed.
- Reduced thickness (0,8 mm) and excellent thermal conductivity characteristics allow the tile to be inserted between CPU and heat sink providing EMI shielding without affecting the heat dissipation process.
- The ferrite tiles are available in standard (as shown), customized sizes and are optionally supplied with thermally-conductive adhesive transfer tape for convenient fastening.



| Part No.       | Unit: mm |      |     |
|----------------|----------|------|-----|
|                | A        | B    | C   |
| SD-28-28-0,8 * | 28,0     | 28,0 | 0,8 |
| SD-38-38-2 *   | 38,0     | 38,0 | 2,0 |

\*Thermal transfer tape optional (-T)

# FILTERING

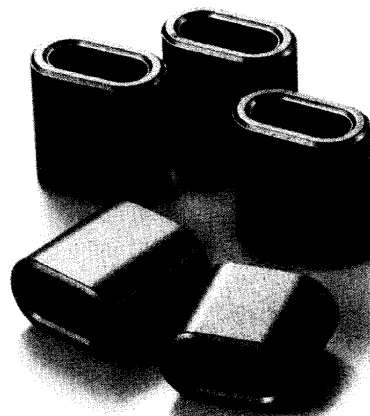
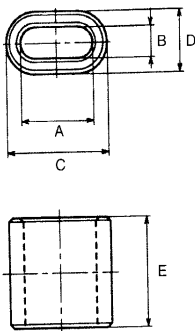
## ROUND CABLE FERRITES

### Features

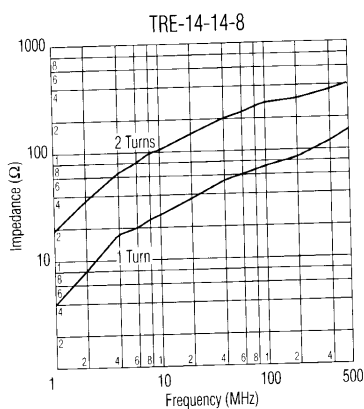
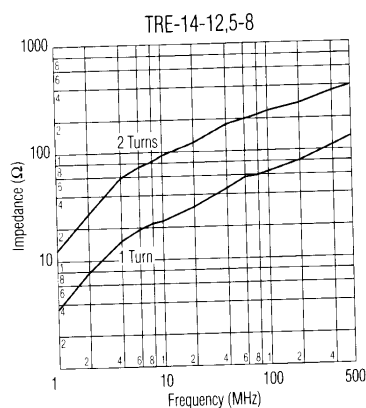
- Employ high-performance Ferrites (Nickel-Zinc). Particularly suitable for high frequency noise.
- Typically wound with two or three turns of cable. The impedance ratio is actually proportional to the square of the turn.
- Can be installed in its intended location before product assembly.

### Applications

- Superior suppression of radiation emissions for full compliance with FCC, VDE and VCCI on Interface/ data line cables of computers, peripheral/terminal equipment.



| Part No.      | A  | B | Unit: mm | C  | D | E    | Impedance (Ω) 1 Turn |        | Impedance (Ω) 2 Turn |        |
|---------------|----|---|----------|----|---|------|----------------------|--------|----------------------|--------|
|               |    |   |          |    |   |      | 25MHz                | 100MHz | 25MHz                | 100MHz |
| TRE-14-12,5-8 | 10 | 4 |          | 14 | 8 | 12,5 | 35                   | 66     | 140                  | 236    |
| TRE-14-14-8   | 10 | 4 |          | 14 | 8 | 14   | 40                   | 72     | 158                  | 256    |



# FILTERING

## FLAT CABLE FERRITES

### Features

- Employ high-performance ferrites (Nickel-Zinc) effective against high frequency noise.
- Designed to help reduce cost and time to market saving.
- Can be installed simply in its intended location before product assembly.
- For fixation to FPC, an adhesive tape attached stopper is provided.

### Applications

- Superior suppression of radiation emissions for full compliance with FCC, VDE and VCCI on Interface/data line FPC cables of computers, peripheral/terminal equipment.

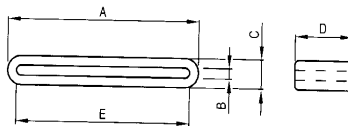
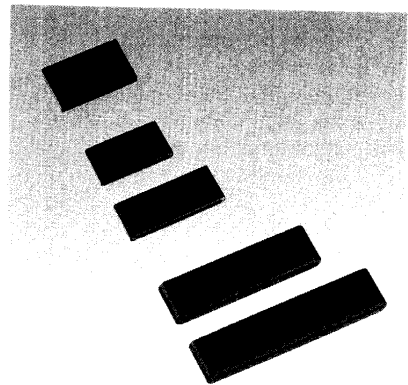
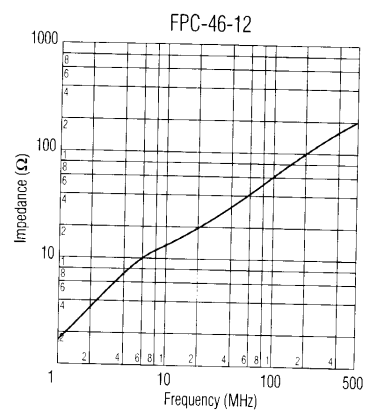
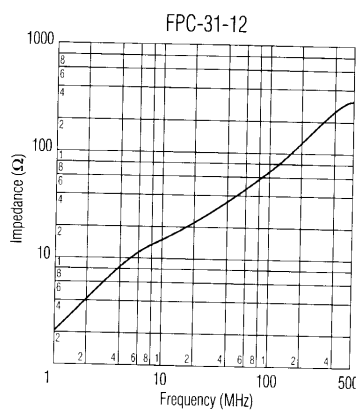
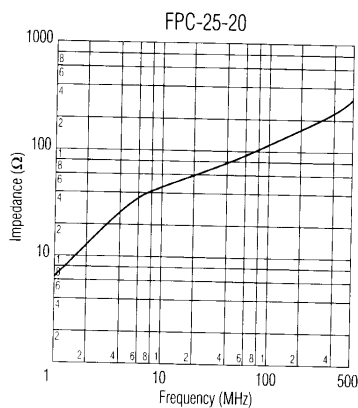
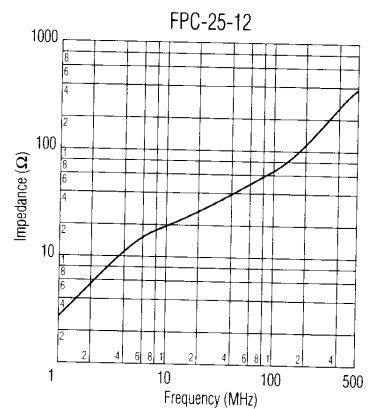
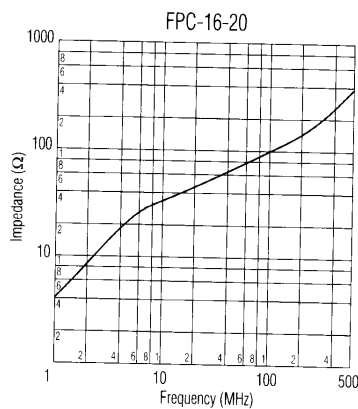
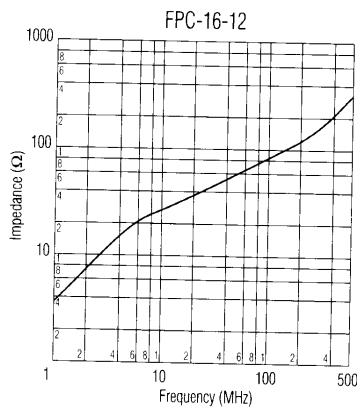


Fig.1

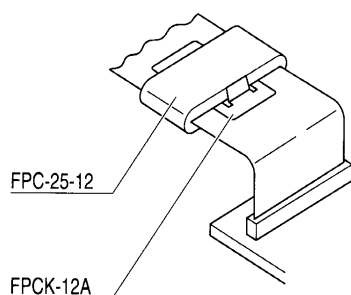
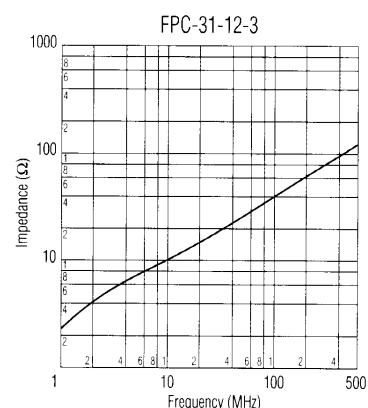
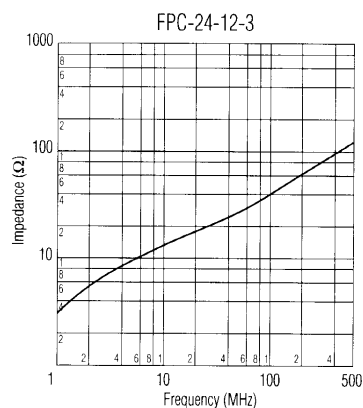
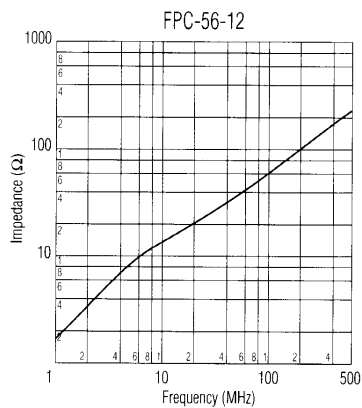


| Part No.    | A    | B   | Unit: mm |    |      | Impedance ( $\Omega$ ) |        | Max. Cable Width (mm) |
|-------------|------|-----|----------|----|------|------------------------|--------|-----------------------|
|             |      |     | C        | D  | E    | 25MHz                  | 100MHz |                       |
| FPC-16-12   | 16   | 0.5 | 5        | 12 | 11.5 | 42                     | 79     | 10.5                  |
| FPC-16-20   | 16   | 0.5 | 5        | 20 | 11.5 | 71                     | 127    | 10.5                  |
| FPC-25-12   | 24.5 | 0.5 | 5        | 12 | 20   | 30                     | 65     | 19                    |
| FPC-25-20   | 24.5 | 0.5 | 5        | 20 | 20   | 50                     | 103    | 19                    |
| FPC-31-12   | 31   | 0.5 | 5        | 12 | 27   | 26                     | 66     | 26                    |
| FPC-46-12   | 46   | 0.5 | 5        | 12 | 41.5 | 23                     | 65     | 40.5                  |
| FPC-56-12   | 55.9 | 0.5 | 5        | 12 | 52   | 23                     | 66     | 51                    |
| FPC-24-12-3 | 23.3 | 0.7 | 3        | 12 | 20   | 20                     | 41     | 19                    |
| FPC-31-12-3 | 30.5 | 0.7 | 3        | 12 | 27.2 | 17                     | 42     | 26                    |

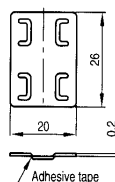


# FILTERING

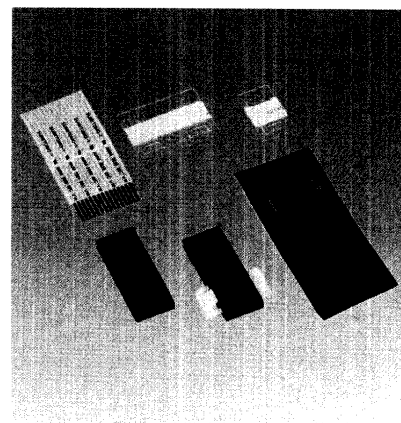
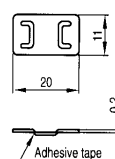
## FLAT CABLE FERRITES



Part No.: FPC-12B  
Material: PVC  
Applicable: FPC-31-12  
FPC-46-12  
FPC-56-12  
FPC-31-12-3



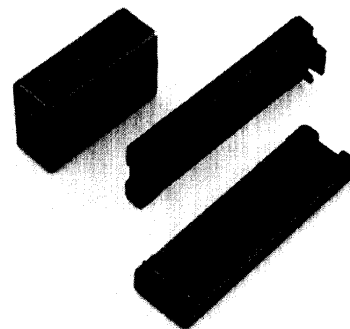
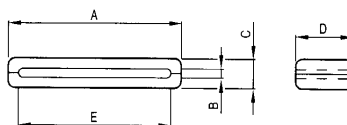
Part No.: FPC-12A  
Material: PVC  
Applicable: FPC-16-12  
FPC-25-12  
FPC-24-12-3



| Part No. | Applicable                                   |
|----------|----------------------------------------------|
| FPC-12B  | FPC-31-12, FPC-46-12; FPC-56-12; FPC-31-12-3 |
| FPC-12A  | FPC-16-12; FPC-25-12; FPC-24-12-3            |

### Features

- Plastic clip for SSC-cores
- Material: ABS
- Colour: black



| Part No. | A    | B   | Unit: mm | C    | D    | E | Applicable                                                        |
|----------|------|-----|----------|------|------|---|-------------------------------------------------------------------|
| FCP-15P  | 34,5 | 0,8 | 12,0     | 19,0 | 21,6 |   | SSC-21-6,8-8 / 21-6,8-15 / 23,8-6,3-7 / 23,8-6,3-15 / 28-7,7-14,6 |
| FCP-25P  | 46,5 | 0,8 | 10,6     | 16,0 | 34,3 |   | SSC-33,5-8 / 33,5-10 / 33,5-12 / 33,5-10-2 / 40-10 / 40-12        |
| FCP-34P  | 56,6 | 0,8 | 10,4     | 16,0 | 43,2 |   | SSC-45-8 / 45-12 / 50-12                                          |
| FCP-40P  | 64,1 | 0,8 | 10,4     | 16,0 | 53,3 |   | SSC-58-12                                                         |