

## Approvals & Compliances

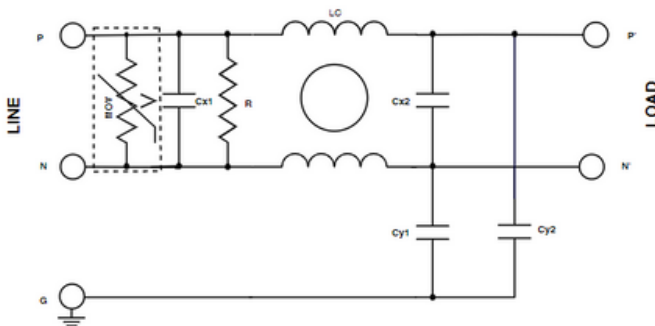


## DATASHEET

# SINGLE PHASE EMI FILTER - SMF2132

These series are specifically designed for motor and power drive systems which can provide superior attenuation performance and suppress conducted noise even in environments with significant interference events.

## Type Circuit Diagram:



Surge option is available for Standard, Safety, Medical and Enhanced Versions

## Features:

- Rated Current up to 30A
- Filters offer an optimized filter range for high performance AC & DC applications.
- High Conducted attenuation performance
- Series available with Standard, Medical Versions.
- Designed for easy and quick Chassis mounting.
- Surge Option is available .

## Applications:

- Power Systems
- Consumer Goods
- Electronic Equipment
- Medical Equipment
- Frequency Convertors
- Electronic Data processing equipment
- UPS/Inverters

## Performance Indicator:



## Rated Current (A):



## Technical Specifications:

|                                      |                                                                                                                    |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Maximum Continuous Operating Voltage | : 250 VAC, 50/60Hz (UL Approval)<br>250VDC                                                                         |
| Operating Frequency                  | : DC to 400Hz                                                                                                      |
| Current ratings                      | : 1A to 30A @40°C                                                                                                  |
| High Potential test voltage          | : P to N 1414 VDC for 2 Sec (Except P type)<br>P +N to G 2250VDC for 2 Sec<br>P +N to G 1500VACfor 2 Sec (M Types) |
| Overload Capability                  | : 4x rated current at switch on,<br>1.5 x rated current for 1 minute, once per hour                                |
| Design Corresponding to              | : UL 60939-3, CSA 22.2 No.8-13 and IEC 60939-1&2                                                                   |
| Flammability corresponding to        | : UL 94 V-0                                                                                                        |
| Temperature range                    | : -25°C to +100°C                                                                                                  |
| Climatic Category                    | : 25/100/21                                                                                                        |
| Protection category                  | : IP20                                                                                                             |

## Ordering Information

| Standard Version |             |               |             |                         |                                    |                             |                                                                                       |                                                                                       |                                                                                       |                |
|------------------|-------------|---------------|-------------|-------------------------|------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------|
| Model Number     | Part Number | Model Number  | Part Number | Current Rating @40°C(A) | Leakage Current @250 VAC/50Hz (mA) | Power loss @25°C / 50Hz (W) | Termination                                                                           |                                                                                       |                                                                                       | Min.Weight (g) |
|                  |             |               |             |                         |                                    |                             |  |  |  |                |
| SMF2132-1-4      | E108130-1   | SMF2132P-1-4  | E115019-1   | 1                       | 0.173                              | 1                           | -4                                                                                    | -                                                                                     | -                                                                                     | 70             |
| SMF2132-1-5      | E108130-2   | SMF2132P-1-5  | E115020-1   | 1                       | 0.173                              | 1                           | -                                                                                     | -5                                                                                    | -                                                                                     | 70             |
| SMF2132-3-4      | E108131-1   | SMF2132P-3-4  | E115021-1   | 3                       | 0.26                               | 2.5                         | -4                                                                                    | -                                                                                     | -                                                                                     | 110            |
| SMF2132-3-5      | E108131-2   | SMF2132P-3-5  | E115022-1   | 3                       | 0.26                               | 2.5                         | -                                                                                     | -5                                                                                    | -                                                                                     | 110            |
| SMF2132-4-4      | E108132-1   | SMF2132P-4-4  | E115023-1   | 4                       | 0.26                               | 3                           | -4                                                                                    | -                                                                                     | -                                                                                     | 120            |
| SMF2132-4-5      | E108132-2   | SMF2132P-4-5  | E115024-1   | 4                       | 0.26                               | 3                           | -                                                                                     | -5                                                                                    | -                                                                                     | 120            |
| SMF2132-6-4      | E108133-1   | SMF2132P-6-4  | E115025-1   | 6                       | 0.37                               | 3.5                         | -4                                                                                    | -                                                                                     | -                                                                                     | 120            |
| SMF2132-6-5      | E108133-2   | SMF2132P-6-5  | E115026-1   | 6                       | 0.37                               | 3.5                         | -                                                                                     | -5                                                                                    | -                                                                                     | 120            |
| SMF2132-8-4      | E108134-1   | SMF2132P-8-4  | E115027-1   | 8                       | 0.37                               | 4                           | -4                                                                                    | -                                                                                     | -                                                                                     | 200            |
| SMF2132-8-5      | E108134-2   | SMF2132P-8-5  | E115028-1   | 8                       | 0.37                               | 4                           | -                                                                                     | -5                                                                                    | -                                                                                     | 200            |
| SMF2132-10-4     | E108135-1   | SMF2132P-10-4 | E115029-1   | 10                      | 0.37                               | 5.5                         | -4                                                                                    | -                                                                                     | -                                                                                     | 200            |
| SMF2132-10-5     | E108135-2   | SMF2132P-10-5 | E115030-1   | 10                      | 0.37                               | 5.5                         | -                                                                                     | -5                                                                                    | -                                                                                     | 200            |
| SMF2132-12-4     | E108136-1   | SMF2132P-12-4 | E115031-1   | 12                      | 0.8                                | 8                           | -4                                                                                    | -                                                                                     | -                                                                                     | 270            |
| SMF2132-12-5     | E108136-2   | SMF2132P-12-5 | E115032-1   | 12                      | 0.8                                | 8                           | -                                                                                     | -5                                                                                    | -                                                                                     | 270            |
| SMF2132-16-4     | E108137-1   | SMF2132P-16-4 | E115033-1   | 16                      | 0.8                                | 6.5                         | -4                                                                                    | -                                                                                     | -                                                                                     | 270            |
| SMF2132-16-5     | E108137-2   | SMF2132P-16-5 | E115034-1   | 16                      | 0.8                                | 6.5                         | -                                                                                     | -5                                                                                    | -                                                                                     | 270            |
| SMF2132-16-1     | E108137-3   | SMF2132P-16-1 | E115035-1   | 16                      | 0.8                                | 6.5                         | -                                                                                     | -                                                                                     | -1                                                                                    | 270            |
| SMF2132-20-4     | E108138-1   | SMF2132P-20-4 | E115036-1   | 20                      | 0.8                                | 5                           | -4                                                                                    | -                                                                                     |                                                                                       | 330            |
| SMF2132-20-1     | E108138-2   | SMF2132P-20-1 | E115037-1   | 20                      | 0.8                                | 5                           | -                                                                                     | -                                                                                     | -1                                                                                    | 330            |
| SMF2132-30-1     | E108139-1   | SMF2132P-30-1 | E115038-1   | 30                      | 0.8                                | 6                           | -                                                                                     | -                                                                                     | -1                                                                                    | 350            |

| Safety Version |             |                |             |                            |                                       |                                |                                                                                     |                                                                                     |                                                                                     |                |
|----------------|-------------|----------------|-------------|----------------------------|---------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
| Model Number   | Part Number | Model Number   | Part Number | Current Rating<br>@40°C(A) | Leakage Current<br>@250 VAC/50Hz (mA) | Power loss<br>@25°C / 50Hz (W) | Termination                                                                         |                                                                                     |                                                                                     | Min.Weight (g) |
|                |             |                |             |                            |                                       |                                |  |  |  |                |
| SMF2132S-1-4   | E108140-1   | SMF2132SP-1-4  | E115039-1   | 1                          | 0.05                                  | 1                              | -4                                                                                  | -                                                                                   | -                                                                                   | 70             |
| SMF2132S-1-5   | E108140-2   | SMF2132SP-1-5  | E115040-1   | 1                          | 0.05                                  | 1                              | -                                                                                   | -5                                                                                  | -                                                                                   | 70             |
| SMF2132S-3-4   | E108141-1   | SMF2132SP-3-4  | E115041-1   | 3                          | 0.05                                  | 2.5                            | -4                                                                                  | -                                                                                   | -                                                                                   | 110            |
| SMF2132S-3-5   | E108141-2   | SMF2132SP-3-5  | E115042-1   | 3                          | 0.05                                  | 2.5                            | -                                                                                   | -5                                                                                  | -                                                                                   | 110            |
| SMF2132S-4-4   | E108142-1   | SMF2132SP-4-4  | E115043-1   | 4                          | 0.05                                  | 3                              | -4                                                                                  | -                                                                                   | -                                                                                   | 120            |
| SMF2132S-4-5   | E108142-2   | SMF2132SP-4-5  | E115044-1   | 4                          | 0.05                                  | 3                              | -                                                                                   | -5                                                                                  | -                                                                                   | 120            |
| SMF2132S-6-4   | E108143-1   | SMF2132SP-6-4  | E115045-1   | 6                          | 0.05                                  | 3.5                            | -4                                                                                  | -                                                                                   | -                                                                                   | 120            |
| SMF2132S-6-5   | E108143-2   | SMF2132SP-6-5  | E115046-1   | 6                          | 0.05                                  | 3.5                            | -                                                                                   | -5                                                                                  | -                                                                                   | 120            |
| SMF2132S-8-4   | E108144-1   | SMF2132SP-8-4  | E115047-1   | 8                          | 0.05                                  | 4                              | -4                                                                                  | -                                                                                   | -                                                                                   | 200            |
| SMF2132S-8-5   | E108144-2   | SMF2132SP-8-5  | E115048-1   | 8                          | 0.05                                  | 4                              | -                                                                                   | -5                                                                                  | -                                                                                   | 200            |
| SMF2132S-10-4  | E108145-1   | SMF2132SP-10-4 | E115049-1   | 10                         | 0.05                                  | 5.5                            | -4                                                                                  | -                                                                                   | -                                                                                   | 200            |
| SMF2132S-10-5  | E108145-2   | SMF2132SP-10-5 | E115050-1   | 10                         | 0.05                                  | 5.5                            | -                                                                                   | -5                                                                                  | -                                                                                   | 200            |
| SMF2132S-12-4  | E108146-1   | SMF2132SP-12-4 | E115051-1   | 12                         | 0.05                                  | 8                              | -4                                                                                  | -                                                                                   | -                                                                                   | 270            |
| SMF2132S-12-5  | E108146-2   | SMF2132SP-12-5 | E115052-1   | 12                         | 0.05                                  | 8                              | -                                                                                   | -5                                                                                  | -                                                                                   | 270            |
| SMF2132S-16-4  | E108148-1   | SMF2132SP-16-4 | E115053-1   | 16                         | 0.05                                  | 6.5                            | -4                                                                                  | -                                                                                   | -                                                                                   | 270            |
| SMF2132S-16-5  | E108148-2   | SMF2132SP-16-5 | E115054-1   | 16                         | 0.05                                  | 6.5                            | -                                                                                   | -5                                                                                  | -                                                                                   | 270            |
| SMF2132S-16-1  | E108148-3   | SMF2132SP-16-1 | E115055-1   | 16                         | 0.05                                  | 6.5                            | -                                                                                   | -                                                                                   | -1                                                                                  | 270            |
| SMF2132S-20-4  | E108149-1   | SMF2132SP-20-4 | E115056-1   | 20                         | 0.05                                  | 5                              | -4                                                                                  | -                                                                                   | -                                                                                   | 330            |
| SMF2132S-20-1  | E108149-2   | SMF2132SP-20-1 | E115057-1   | 20                         | 0.05                                  | 5                              | -                                                                                   | -                                                                                   | -1                                                                                  | 330            |
| SMF2132S-30-1  | E108150-1   | SMF2132SP-30-1 | E115058-1   | 30                         | 0.05                                  | 6                              | -                                                                                   | -                                                                                   | -1                                                                                  | 350            |

| Medical Version |             |                |             |                            |                                       |                                |                                                                                       |                                                                                       |                                                                                       |                |
|-----------------|-------------|----------------|-------------|----------------------------|---------------------------------------|--------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------|
| Model Number    | Part Number | Model Number   | Part Number | Current Rating<br>@40°C(A) | Leakage Current<br>@250 VAC/50Hz (mA) | Power loss<br>@25°C / 50Hz (W) | Termination                                                                           |                                                                                       |                                                                                       | Min.Weight (g) |
|                 |             |                |             |                            |                                       |                                |  |  |  |                |
| SMF2132M-1-4    | E108160-1   | SMF2132MP-1-4  | E115059-1   | 1                          | 0                                     | 1                              | -4                                                                                    | -                                                                                     | -                                                                                     | 70             |
| SMF2132M-1-5    | E108160-2   | SMF2132MP-1-5  | E115060-1   | 1                          | 0                                     | 1                              | -                                                                                     | -5                                                                                    | -                                                                                     | 70             |
| SMF2132M-3-4    | E108161-1   | SMF2132MP-3-4  | E115061-1   | 3                          | 0                                     | 2.5                            | -4                                                                                    | -                                                                                     | -                                                                                     | 110            |
| SMF2132M-3-5    | E108161-2   | SMF2132MP-3-5  | E115062-1   | 3                          | 0                                     | 2.5                            | -                                                                                     | -5                                                                                    | -                                                                                     | 110            |
| SMF2132M-4-4    | E108162-1   | SMF2132MP-4-4  | E115063-1   | 4                          | 0                                     | 3                              | -4                                                                                    | -                                                                                     | -                                                                                     | 120            |
| SMF2132M-4-5    | E108162-2   | SMF2132MP-4-5  | E115064-1   | 4                          | 0                                     | 3                              | -                                                                                     | -5                                                                                    | -                                                                                     | 120            |
| SMF2132M-6-4    | E108163-1   | SMF2132MP-6-4  | E115065-1   | 6                          | 0                                     | 3.5                            | -4                                                                                    | -                                                                                     | -                                                                                     | 120            |
| SMF2132M-6-5    | E108163-2   | SMF2132MP-6-5  | E115066-1   | 6                          | 0                                     | 3.5                            | -                                                                                     | -5                                                                                    | -                                                                                     | 120            |
| SMF2132M-8-4    | E108164-1   | SMF2132MP-8-4  | E115067-1   | 8                          | 0                                     | 4                              | -4                                                                                    | -                                                                                     | -                                                                                     | 200            |
| SMF2132M-8-5    | E108164-2   | SMF2132MP-8-5  | E115068-1   | 8                          | 0                                     | 4                              | -                                                                                     | -5                                                                                    | -                                                                                     | 200            |
| SMF2132M-10-4   | E108165-1   | SMF2132MP-10-4 | E115069-1   | 10                         | 0                                     | 5.5                            | -4                                                                                    | -                                                                                     | -                                                                                     | 200            |
| SMF2132M-10-5   | E108165-2   | SMF2132MP-10-5 | E115070-1   | 10                         | 0                                     | 5.5                            | -                                                                                     | -5                                                                                    | -                                                                                     | 200            |
| SMF2132M-12-4   | E108166-1   | SMF2132MP-12-4 | E115071-1   | 12                         | 0                                     | 8                              | -4                                                                                    | -                                                                                     | -                                                                                     | 270            |
| SMF2132M-12-5   | E108166-2   | SMF2132MP-12-5 | E115072-1   | 12                         | 0                                     | 8                              | -                                                                                     | -5                                                                                    | -                                                                                     | 270            |
| SMF2132M-16-4   | E108167-1   | SMF2132MP-16-4 | E115073-1   | 16                         | 0                                     | 6.5                            | -4                                                                                    | -                                                                                     | -                                                                                     | 270            |
| SMF2132M-16-5   | E108167-2   | SMF2132MP-16-5 | E115074-1   | 16                         | 0                                     | 6.5                            | -                                                                                     | -5                                                                                    | -                                                                                     | 270            |
| SMF2132M-16-1   | E108167-3   | SMF2132MP-16-1 | E115075-1   | 16                         | 0                                     | 6.5                            | -                                                                                     | -                                                                                     | -1                                                                                    | 270            |
| SMF2132M-20-4   | E108168-1   | SMF2132MP-20-4 | E115076-1   | 20                         | 0                                     | 5                              | -4                                                                                    | -                                                                                     | -                                                                                     | 330            |
| SMF2132M-20-1   | E108168-2   | SMF2132MP-20-1 | E115077-1   | 20                         | 0                                     | 5                              | -                                                                                     | -                                                                                     | -1                                                                                    | 330            |
| SMF2132M-30-1   | E108169-1   | SMF2132MP-30-1 | E115078-1   | 30                         | 0                                     | 6                              | -                                                                                     | -                                                                                     | -1                                                                                    | 350            |

### Enhanced Version

| Model Number  | Part Number | Model Number   | Part Number | Current Rating<br>@40°C(A) | Leakage Current<br>@250 VAC/50Hz (mA) | Power loss<br>@25°C / 50Hz (W) | Termination                                                                         |                                                                                     | Min.Weight (g) |
|---------------|-------------|----------------|-------------|----------------------------|---------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|               |             |                |             |                            |                                       |                                |  |  |                |
| SMF2132N-1-4  | E108170-1   | SMF2132NP-1-4  | E115079-1   | 1                          | 5.35                                  | 1                              | -4                                                                                  | -                                                                                   | 70             |
| SMF2132N-3-4  | E108171-1   | SMF2132NP-3-4  | E115080-1   | 3                          | 3.69                                  | 2.5                            | -4                                                                                  | -                                                                                   | 110            |
| SMF2132N-4-4  | E108172-1   | SMF2132NP-4-4  | E115081-1   | 4                          | 3.69                                  | 3                              | -4                                                                                  | -                                                                                   | 120            |
| SMF2132N-6-4  | E108173-1   | SMF2132NP-6-4  | E115082-1   | 6                          | 3.69                                  | 3.5                            | -4                                                                                  | -                                                                                   | 120            |
| SMF2132N-8-4  | E108174-1   | SMF2132NP-8-4  | E115083-1   | 8                          | 5.35                                  | 4                              | -4                                                                                  | -                                                                                   | 200            |
| SMF2132N-10-4 | E108175-1   | SMF2132NP-10-4 | E115084-1   | 10                         | 5.35                                  | 5.5                            | -4                                                                                  | -                                                                                   | 200            |
| SMF2132N-12-4 | E108176-1   | SMF2132NP-12-4 | E115085-1   | 12                         | 5.35                                  | 8                              | -4                                                                                  | -                                                                                   | 270            |
| SMF2132N-16-4 | E108177-1   | SMF2132NP-16-4 | E115086-1   | 16                         | 3.69                                  | 6.5                            | -4                                                                                  | -                                                                                   | 270            |
| SMF2132N-16-1 | E108177-2   | SMF2132NP-16-1 | E115087-1   | 16                         | 3.69                                  | 6.5                            | -                                                                                   | -1                                                                                  | 270            |
| SMF2132N-20-4 | E108178-1   | SMF2132NP-20-4 | E115088-1   | 20                         | 3.69                                  | 5                              | -4                                                                                  | -                                                                                   | 330            |
| SMF2132N-20-1 | E108178-2   | SMF2132NP-20-1 | E115089-1   | 20                         | 3.69                                  | 5                              | -                                                                                   | -1                                                                                  | 330            |
| SMF2132N-30-1 | E108179-1   | SMF2132NP-30-1 | E115090-1   | 30                         | 3.69                                  | 6                              | -                                                                                   | -1                                                                                  | 350            |

**Note:** Maximum leakage current is according to IEC 60939-3 under normal AC operating conditions. The worst leakage current could double the value if the neutral is interrupted.

For surge pulse protection, please add P (e.g. SMF2132P-10-04, SMF2132MP-20-4).

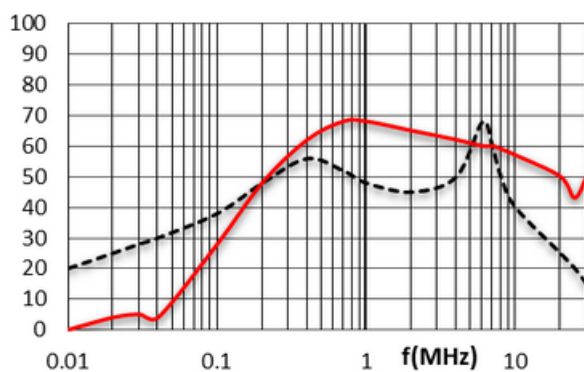
### Insertion Loss

..... Common mode \_\_\_\_\_ Differential Mode

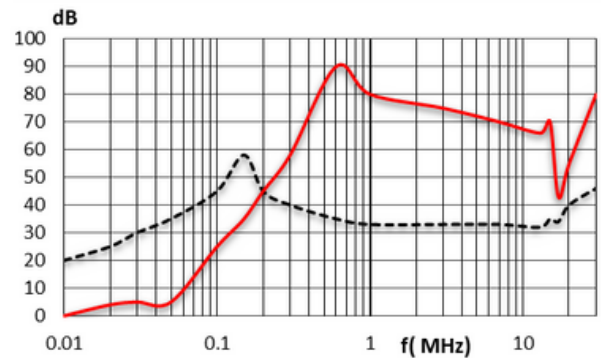
Per CISPR 17; C=50Ω/50Ω D=50Ω/50Ω

### Standard Version

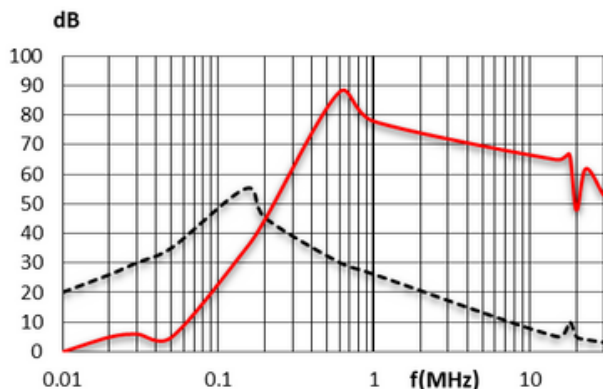
1A dB



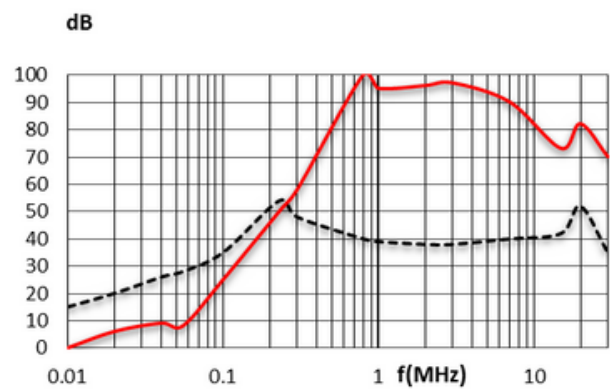
3A dB

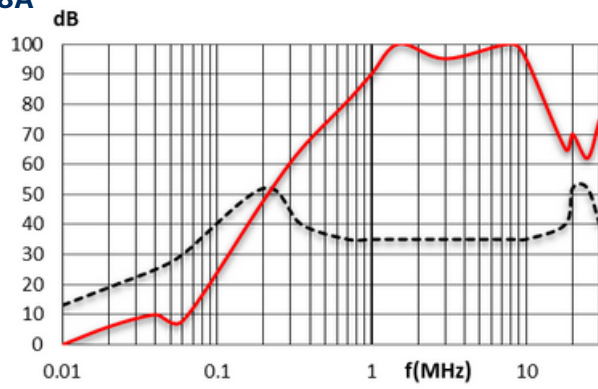
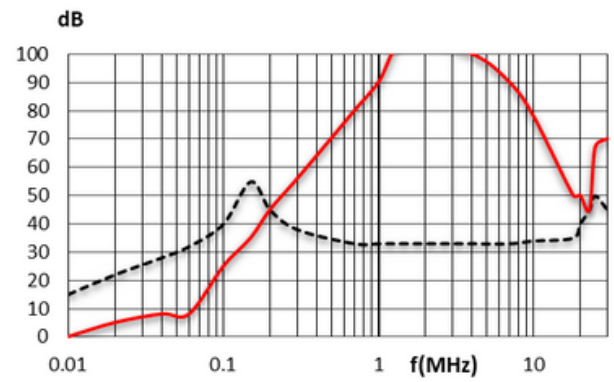
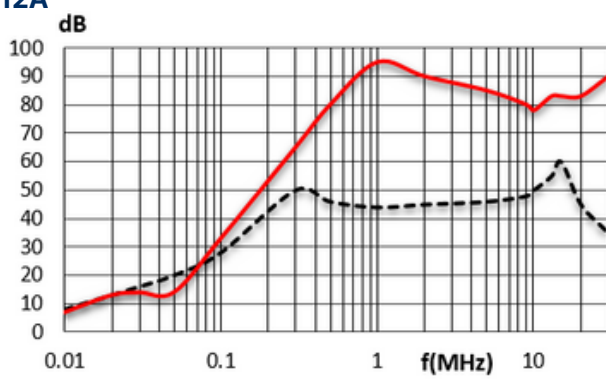
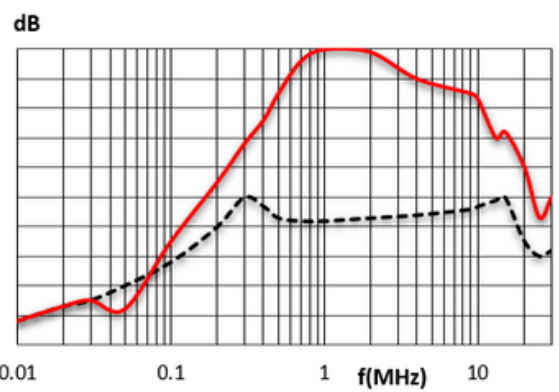
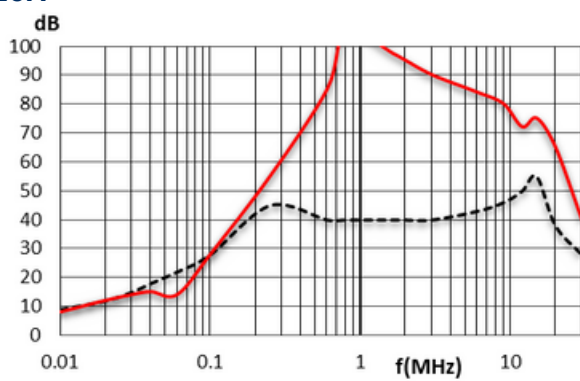
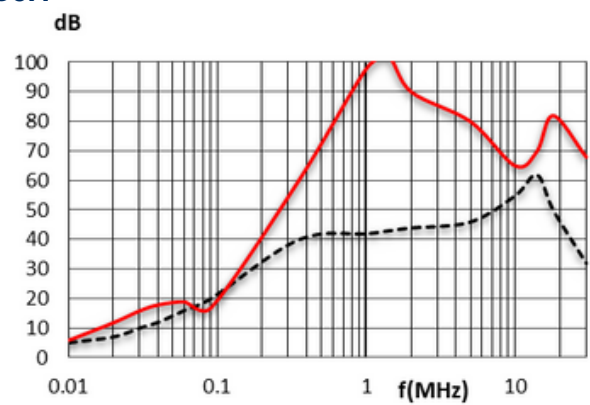


4A dB

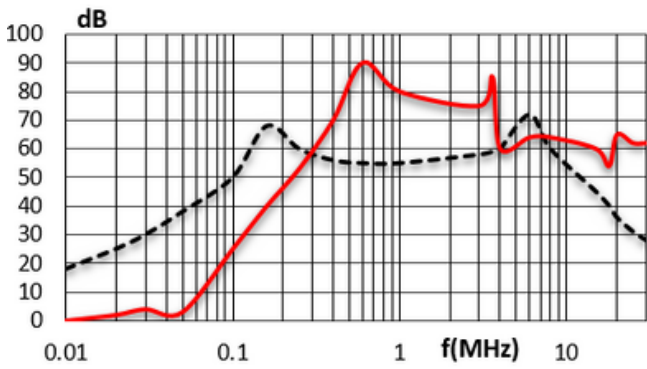


6A dB

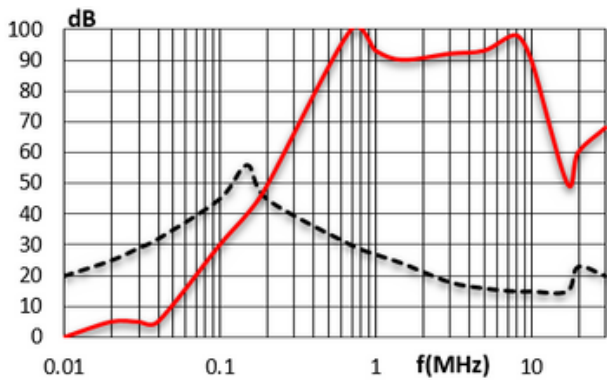


**8A****10A****12A****16A****20A****30A**

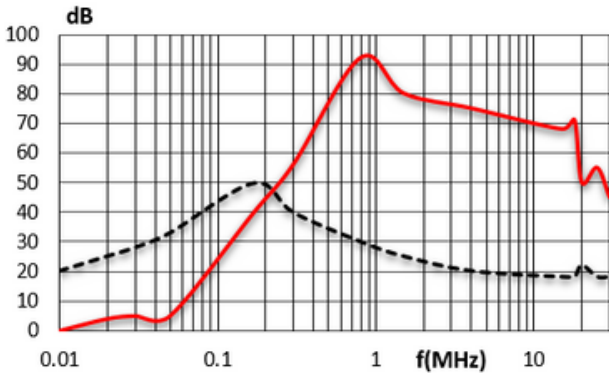
1A



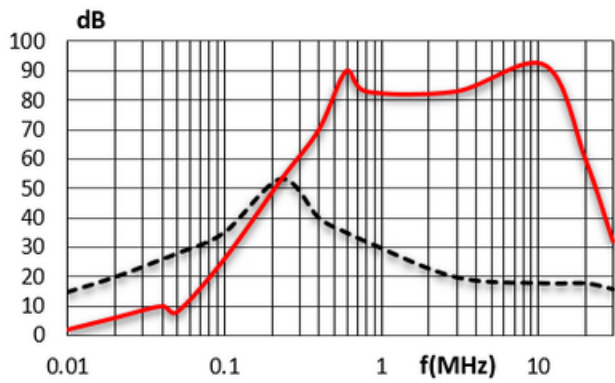
3A



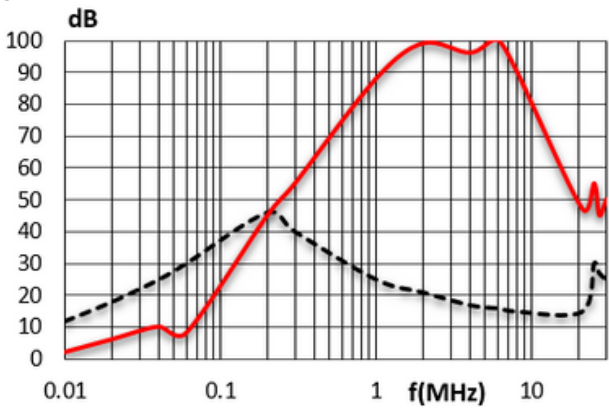
4A



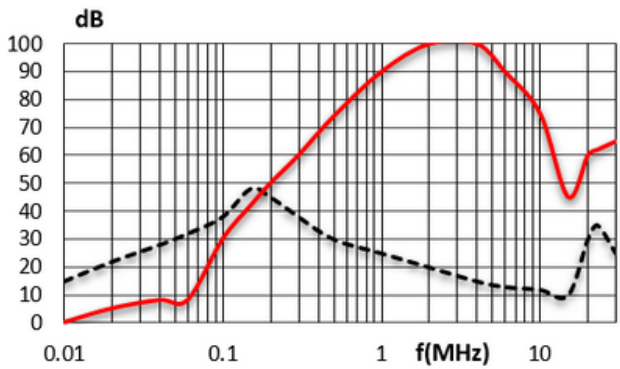
6A



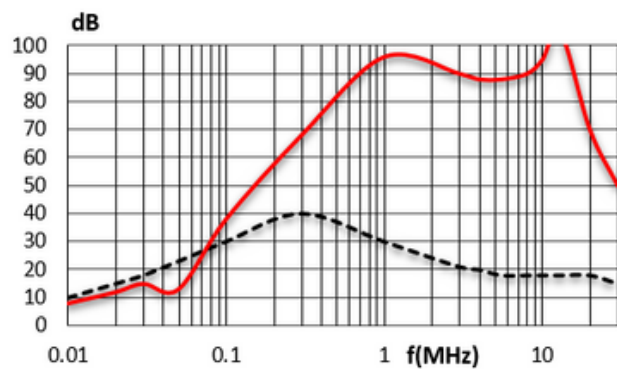
8A



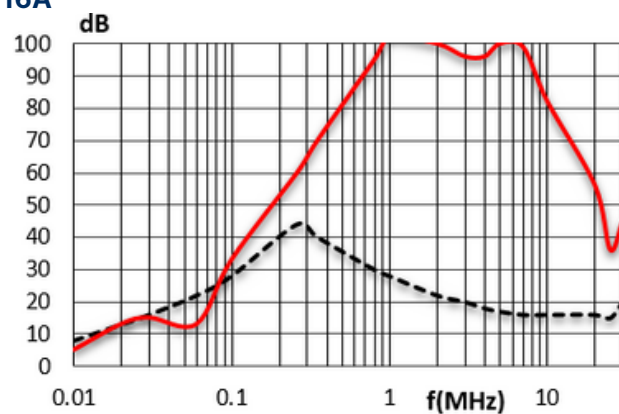
10A



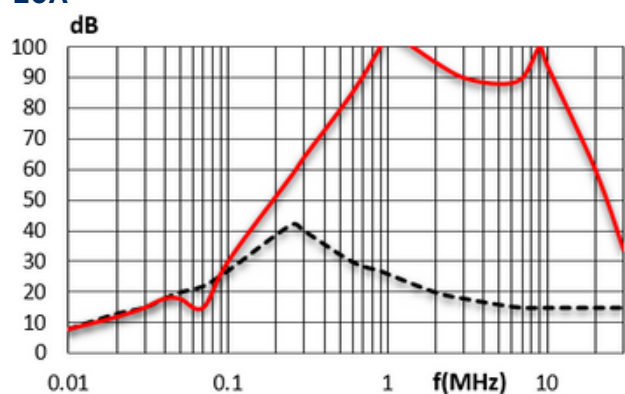
12A



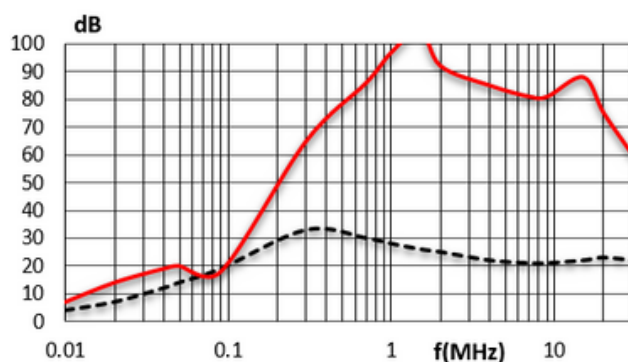
16A



20A

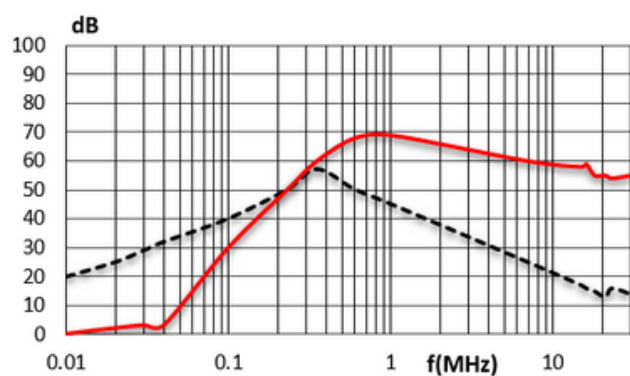


30A

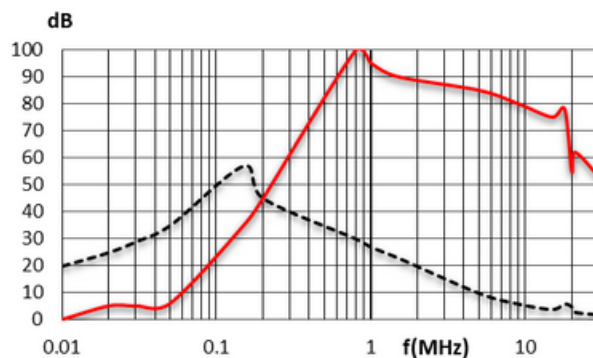


## Medical Version

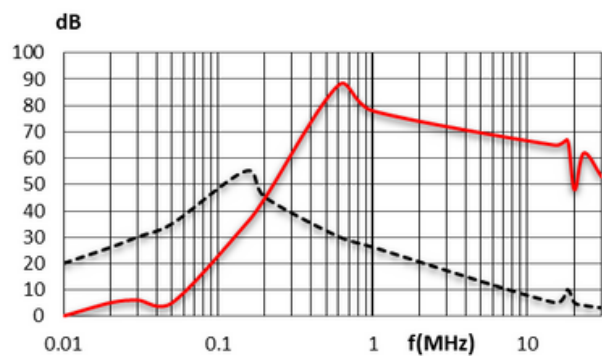
1A



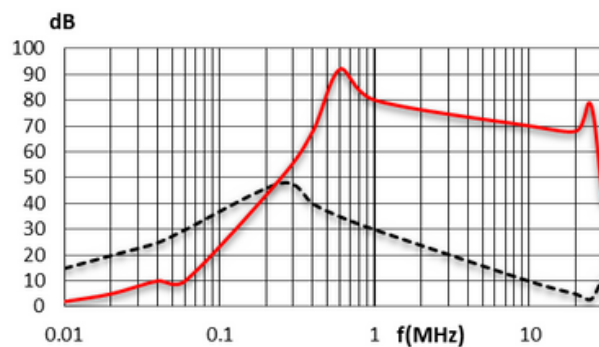
3A



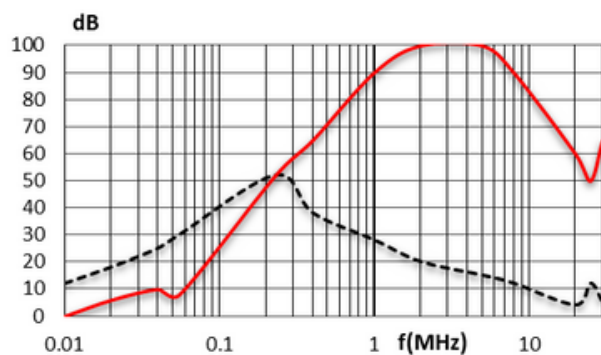
#### 4A



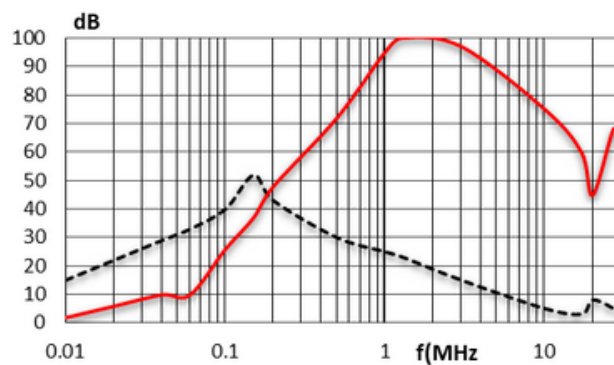
#### 6A



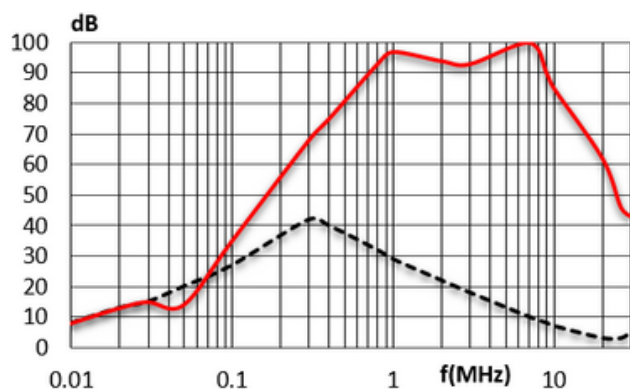
#### 8A



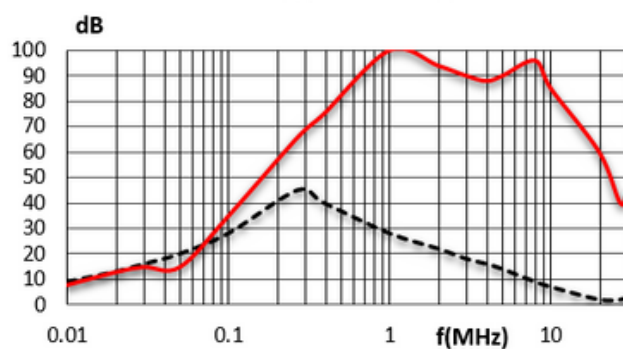
#### 10A



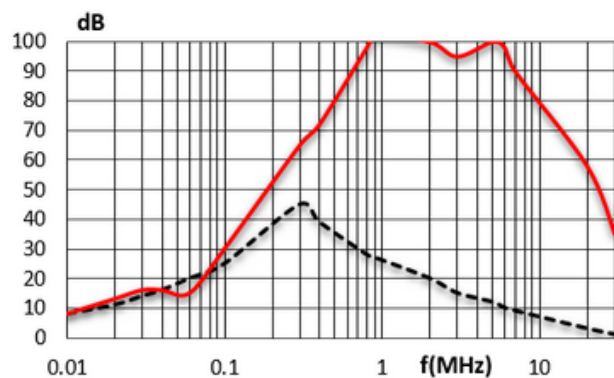
#### 12A



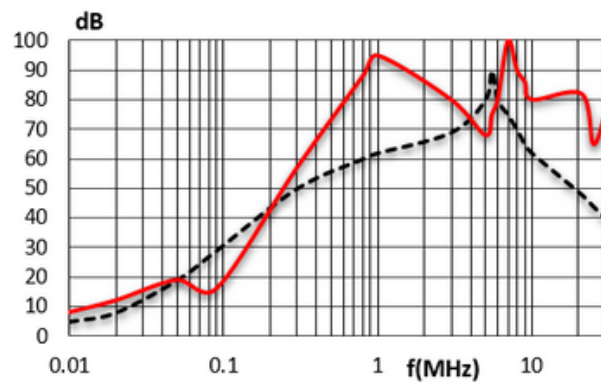
#### 16A



## 20A

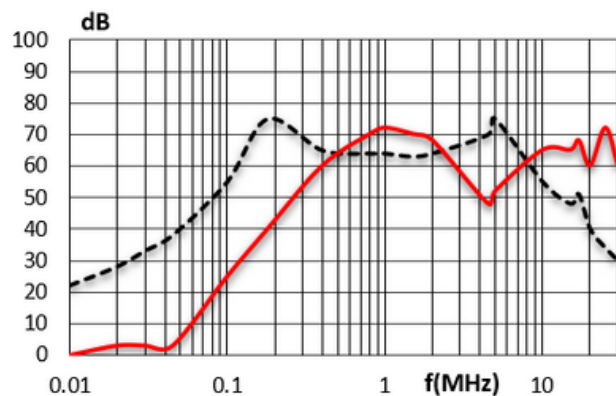


## 30A

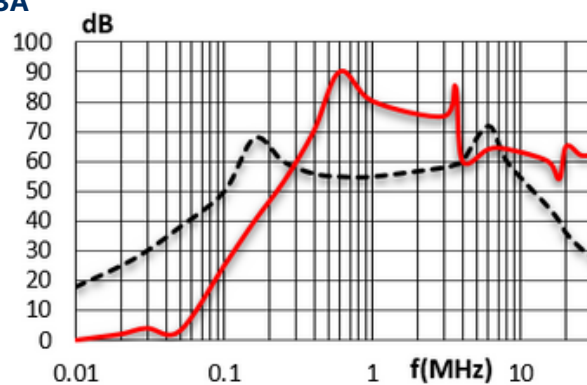


## Enhanced Version

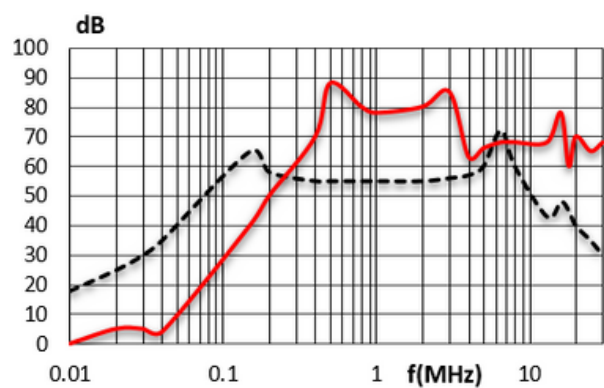
### 1A



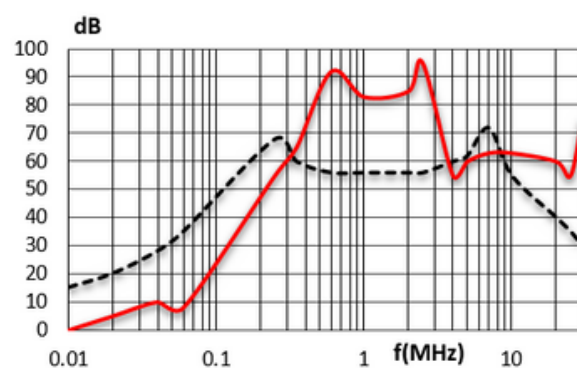
### 3A

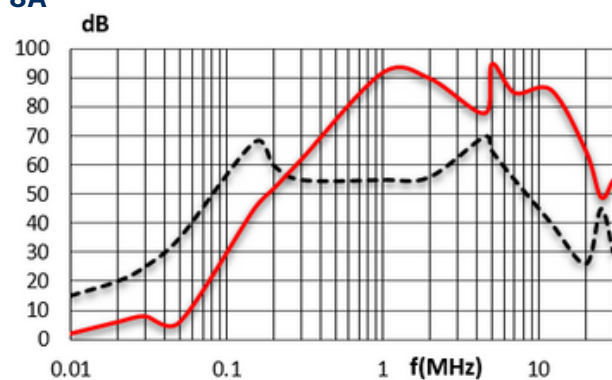
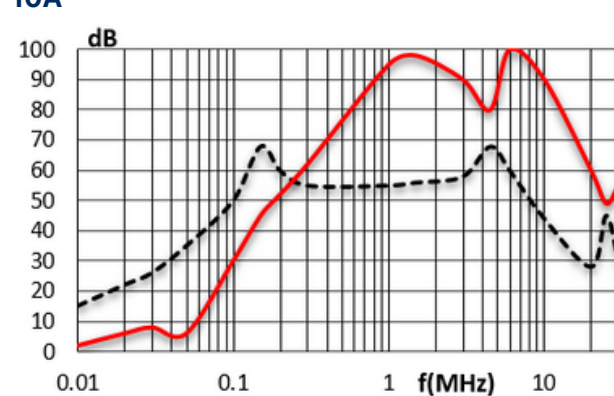
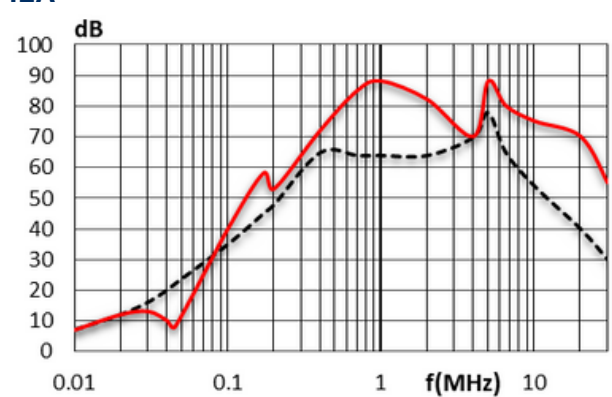
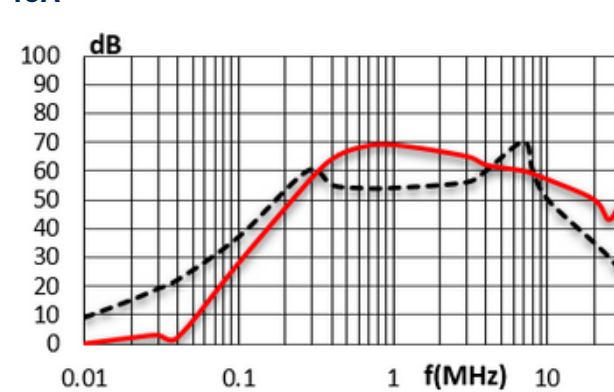
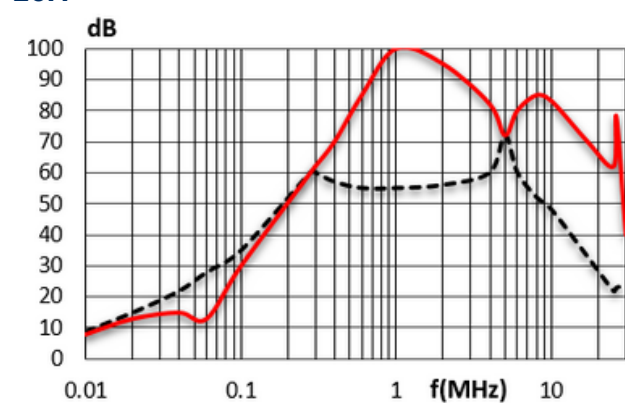
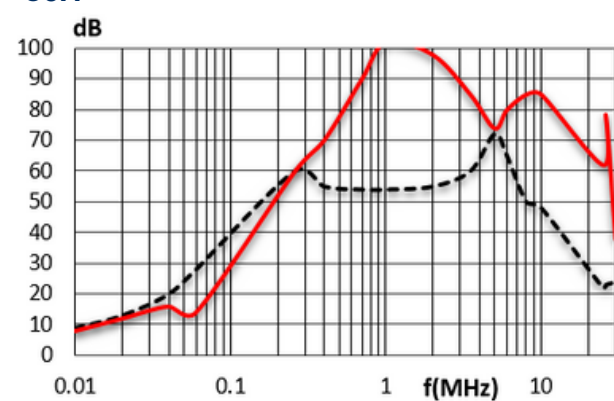


### 4A



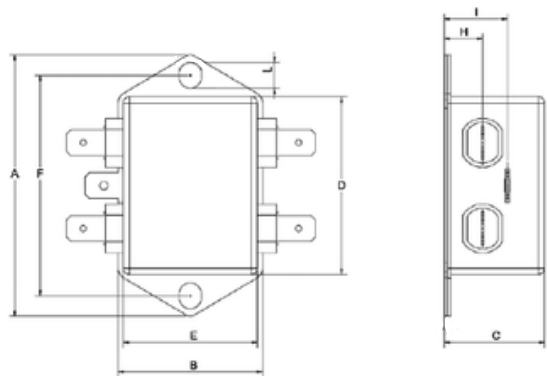
### 6A



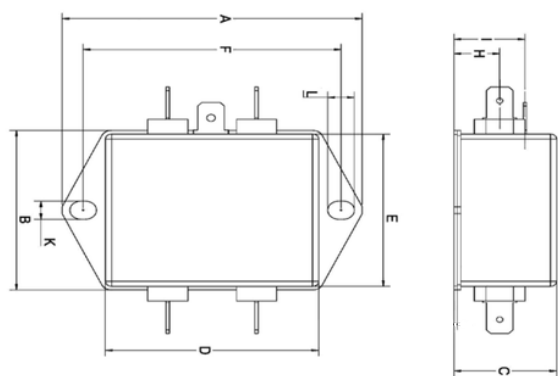
**8A****10A****12A****16A****20A****30A**

Mechanical Drawing:

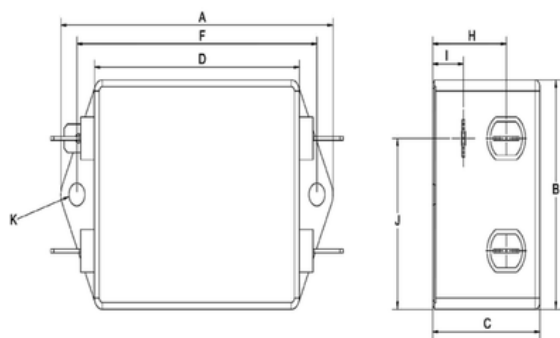
Connection Style - 04, 1A Type



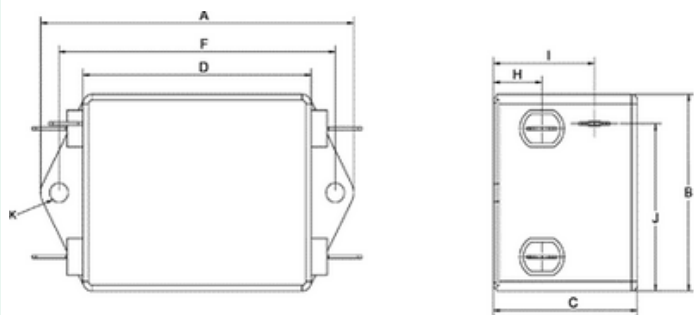
Connection Style - 04, 3A to 6A Type



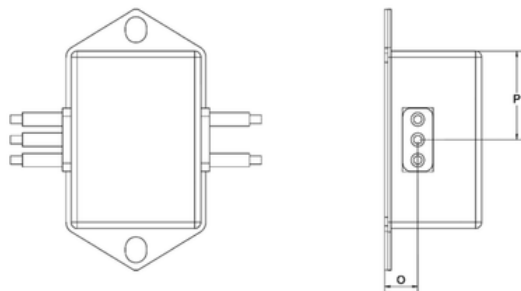
Connection Style - 04, 8A to 12A Type



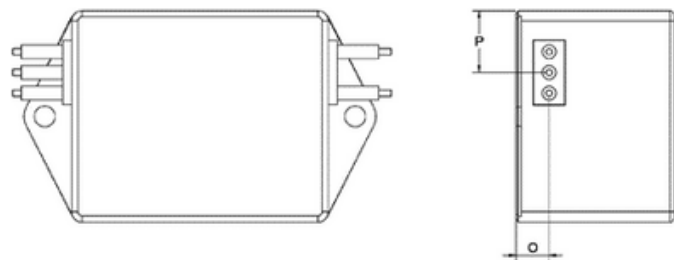
Connection Style - 04, 16A to 20A Type



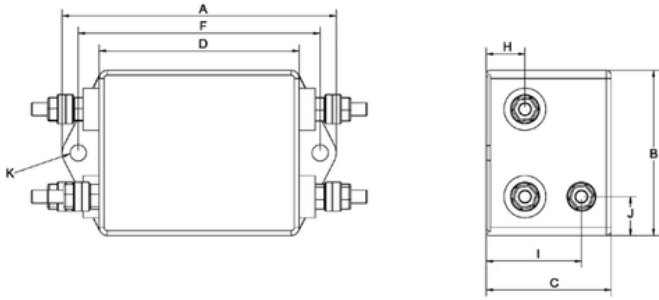
Connection Style - 05, 1A to 6A Type  
(same dimension as style -04)



Connection Style - 05, 8A to 16A Type  
(same dimension as style -04)



## Connection Style - 01, 16A to 30A Type



### Mechanical Dimensions:

|                                               | 1A      | 3A      | 4A      | 6A      | 8A      | 10A     | 12A     | 16A     | 20A     | 30A     |
|-----------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>A</b>                                      | 64±1    | 71±1    | 71±1    | 71±1    | 86±1    | 86±1    | 86±1    | 85±1    | 85±1    | 85±1    |
| <b>B</b>                                      | 35±1    | 46.6±1  | 46.6±1  | 46.6±1  | 51±1    | 51±1    | 51±1    | 51±1    | 51±1    | 51±1    |
| <b>C</b>                                      | 24.3±1  | 22.3±1  | 22.3±1  | 22.3±1  | 32.5±1  | 32.5±1  | 32.5±1  | 39±1    | 39±1    | 39±1    |
| <b>D</b>                                      | 43.5±1  | 50.5±1  | 50.5±1  | 50.5±1  | 64±1    | 64±1    | 64±1    | 62±1    | 62±1    | 62±1    |
| <b>E</b>                                      | 32.5±1  | 44.5    | 44.5    | 44.5    | -       | -       | -       | -       | -       | -       |
| <b>F</b>                                      | 54      | 61      | 61      | 61      | 75      | 75      | 75      | 75      | 75      | 75      |
| <b>H</b>                                      | 9.3±1   | 10.8±1  | 10.8±1  | 10.8±1  | 21.5±1  | 21.5±1  | 21.5±1  | 13±1    | 13±1    | 13±1    |
| <b>I</b>                                      | 15.3±1  | 16.8±1  | 16.8±1  | 16.8±1  | 9±1     | 9±1     | 9±1     | 27.5±1  | 27.5±1  | 27.5±1  |
| <b>K</b>                                      | 5.3     | 5.3     | 5.3     | 5.3     | 5       | 5       | 5       | 5       | 5       | 5       |
| <b>L</b>                                      | 6.3     | 6.3     | 6.3     | 6.3     | -       | -       | -       | -       | -       | -       |
| <b>Connection Style-04</b>                    | 6.3X0.8 | 6.3X0.8 | 6.3X0.8 | 6.3X0.8 | 6.3X0.8 | 6.3X0.8 | 6.3X0.8 | 6.3X0.8 | -       | -       |
| <b>Connection Style-05</b>                    | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| <b>O</b>                                      | 8.3     | 8.3     | 8.3     | 8.3     | 8.3     | 8.3     | 8.3     | 8.3     | -       | -       |
| <b>P</b>                                      | 21.8    | 14      | 14      | 14      | 14.9    | 14.9    | 14.9    | 14.9    | -       | -       |
| <b>AWG Type Wire</b>                          | AWG 20  | AWG 20  | AWG 20  | AWG 18  | AWG 18  | AWG 18  | AWG 16  | AWG 16  | -       | -       |
| <b>Wire Length</b>                            | 140     | 140     | 140     | 140     | 140     | 140     | 140     | 140     | -       | -       |
| <b>Connection Style-01</b>                    | -       | -       | -       | -       | -       | -       | -       | M4      | M4      | M4      |
| <b>Recommended Torque (Nm)</b>                | -       | -       | -       | -       | -       | -       | -       | 1.2-1.3 | 1.2-1.3 | 1.2-1.3 |
| <b>Earth terminal Recommended torque (Nm)</b> | -       | -       | -       | -       | -       | -       | -       | 1.5-1.7 | 1.5-1.7 | 1.5-1.7 |

All dimensions in mm; Tolerances according to ISO 2768-C