

# Reference Filter Bags

## Characteristics

- Discrete filter parts for conducted filtering
- Differential and common mode filter
- Tested according to EN55032 class B
- Application specific for short wire length

## Applications

- Data acquisition
- Test and measurement systems
- Interface and microcontroller supply
- Industrial control



SIP-8 177001BAG

| Isolated | Order Code  | C (V <sub>R</sub> ) | L (I <sub>R</sub> ) | f <sub>cutoff</sub> * | Y-Cap (V <sub>iso</sub> ) | Power Module   |
|----------|-------------|---------------------|---------------------|-----------------------|---------------------------|----------------|
|          | 177 001 BAG | 10 µF (50 V)        | 22 µH (1 A)         | 11 kHz                | 470 pF (5 kV)             | 177 910 632 15 |
|          | 177 002     | 22 µF (10 V)        | 3.3 µH (2 A)        | 19 kHz                | 470 pF (2.5 kV)           | 177 920 501    |
|          | 177 003     | 10 µF (25 V)        | 4.7 µH (1.8 A)      | 23 kHz                | 470 pF (2.5 kV)           | 177 920 511    |
|          | 177 004     | 4.7 µF (50 V)       | 22 µH (1 A)         | 16 kHz                | 470 pF (2.5 kV)           | 177 920 521    |
|          | 177 005     | 2x 4.7 µF (50 V)    | 68 µH (0.56 A)      | 6 kHz                 | 1000 pF (5 kV)            | 177 920 531    |
|          | 177 006     | 10 µF (25 V)        | 4.7 µH (1.8 A)      | 23 kHz                | 470 pF (5 kV)             | 177 920 514    |
|          | 177 007     | 4.7 µF (50 V)       | 22 µH (1 A)         | 16 kHz                | 470 pF (5 kV)             | 177 920 524    |
|          | 177 008     | 2.2 µF (50 V)       | 47 µH (0.68 A)      | 16 kHz                | 470 pF (5 kV)             | 177 920 534    |
|          |             |                     |                     |                       |                           | 176 920 502    |
|          | 176 001     | 22 µF (10 V)        | 2.2 µH (2.5 A)      | 23 kHz                | 470 pF (2.5 kV)           | 176 920 512    |
|          |             |                     |                     |                       |                           | 176 881 212    |
|          |             |                     |                     |                       |                           | 176 861 512    |
|          | 176 002     | 10 µF (25 V)        | 10 µH (1.45 A)      | 16 kHz                | 470 pF (2.5 kV)           | 176 920 522    |

| Non-Isolated | Order Code | C (V <sub>R</sub> ) | L (I <sub>R</sub> ) | f <sub>cutoff</sub> * | Power Module |
|--------------|------------|---------------------|---------------------|-----------------------|--------------|
|              | 171 001    | 10 µF (63 V)        | 2.2 µH (2.5 A)      | 34 kHz                | 171 050 601  |
|              |            |                     |                     |                       | 171 010 601  |
|              | 171 002    | 1 µF (50 V)         | 10 µH (2.2 A)       | 50 kHz                | 171 020 601  |
|              |            |                     |                     |                       | 171 030 601  |
|              |            |                     |                     |                       | 171 011 801  |
|              | 171 003    | 10 µF (25 V)        | 10 µH (2.3 A)       | 16 kHz                | 171 021 801  |
|              |            |                     |                     |                       | 171 031 801  |
|              | 173 001    | 10 µF (63 V)        | 1 µH (4 A)          | 50 kHz                | 173 950 336  |
|              |            |                     |                     |                       | 173 950 536  |

\*Typically calculated values without DC bias effect