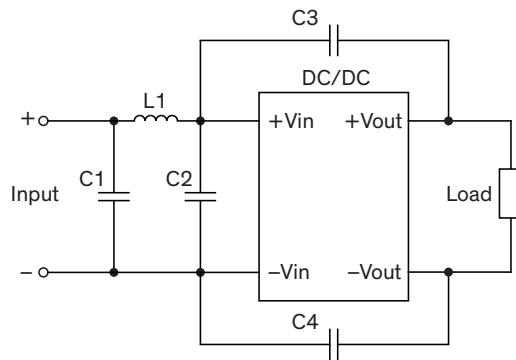
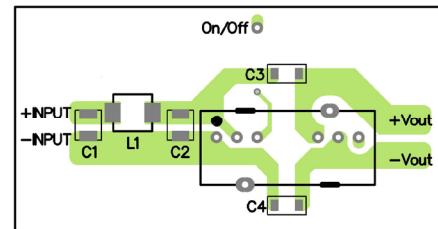
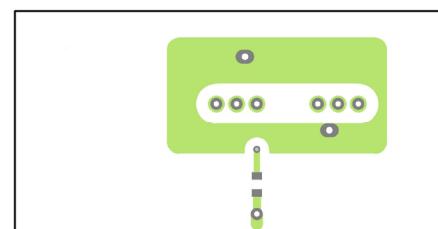
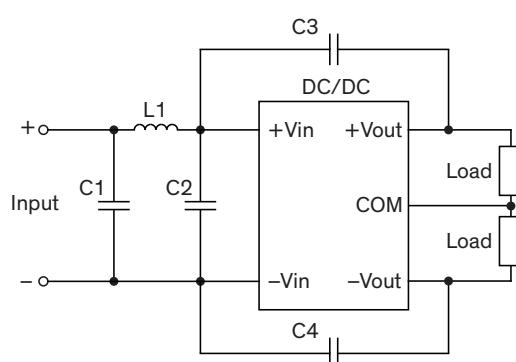
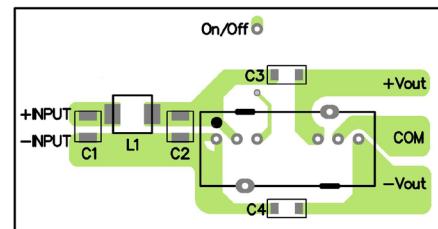
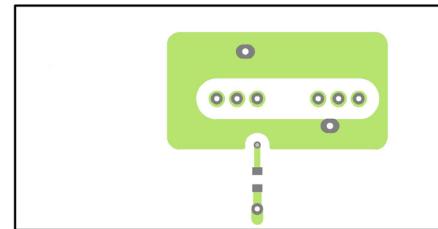


**EMI Consideration**

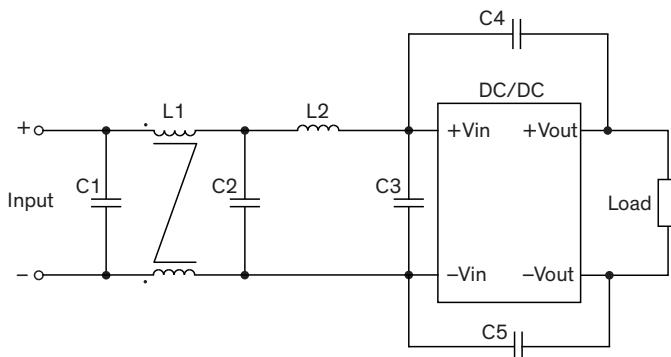
**Suggested filter to comply with EN 55032 Conducted and Radiated Emissions Class A limits**

**Single output models**

**Top view**

**Bottom view**

**Dual output models**

**Top view**

**Bottom view**

**Suggested components to comply with EN 55032 Conducted and Radiated Emissions Class A limits**

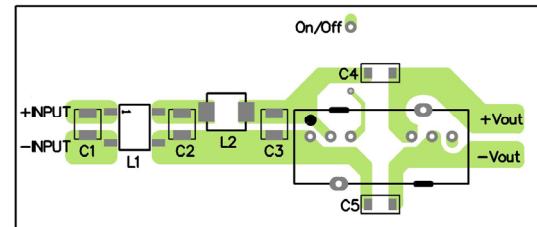
| Model             | C1                          | C2                          | C3, C4                      | L1                |
|-------------------|-----------------------------|-----------------------------|-----------------------------|-------------------|
| <b>TMR 9-12xx</b> | 10 µF / 50 V<br>1210 MLCC   | -                           | 1000 pF / 2 kV<br>1206 MLCC | 3.3 µH<br>TCK-108 |
| <b>TMR 9-241x</b> | 4.7 µF / 100 V<br>1210 MLCC | 4.7 µF / 100 V<br>1210 MLCC | 680 pF / 2 kV<br>1206 MLCC  | 10 µH<br>TCK-116  |
| <b>TMR 9-481x</b> |                             |                             |                             |                   |
| <b>TMR 9-242x</b> | 4.7 µF / 100 V<br>1210 MLCC | 4.7 µF / 100 V<br>1210 MLCC | 1000 pF / 2 kV<br>1206 MLCC | 10 µH<br>TCK-116  |
| <b>TMR 9-482x</b> |                             |                             |                             |                   |

TCK-108 datasheet: [www.tracopower.com/overview/tck-108](http://www.tracopower.com/overview/tck-108)

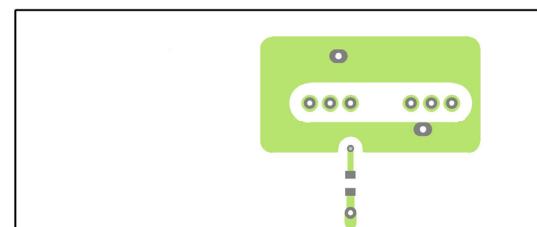
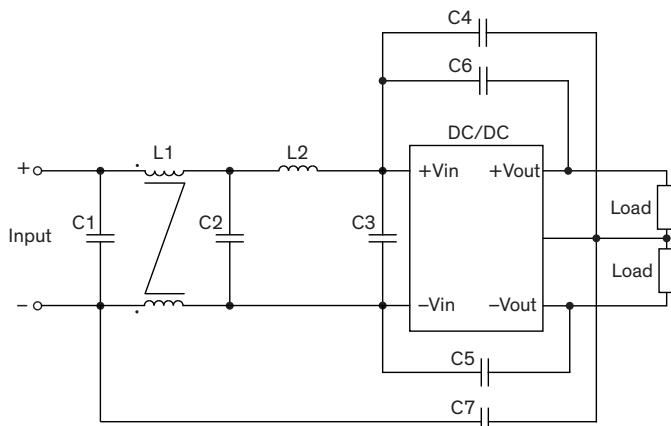
TCK-116 datasheet: [www.tracopower.com/overview/tck-116](http://www.tracopower.com/overview/tck-116)

**Suggested filter to comply with EN 55032 Conducted and Radiated Emissions Class B limits**
**Single output models**


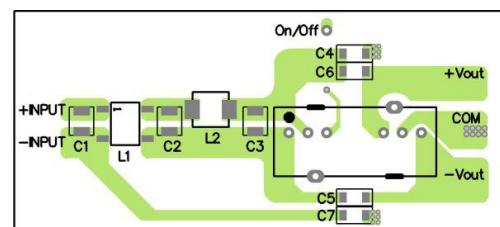
Top view



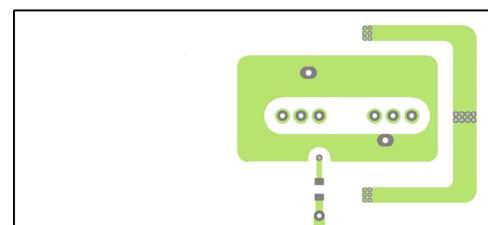
Bottom view


**Dual output models**


Top view



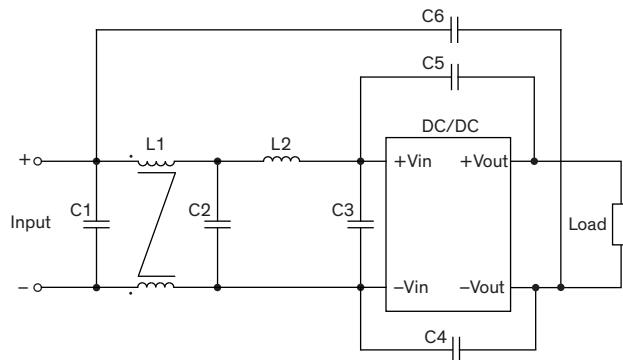
Bottom view


**Suggested components to comply with EN 55032 Conducted and Radiated Emissions Class B limits**

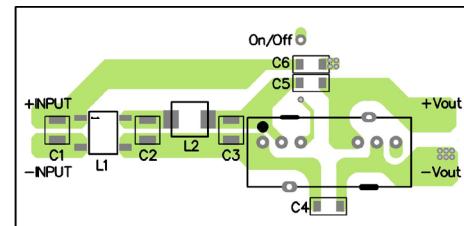
| Model             | C1, C2, C3                 | C4, C5                     | C6                         | C7                          | L1                 | L2               |
|-------------------|----------------------------|----------------------------|----------------------------|-----------------------------|--------------------|------------------|
| <b>TMR 9-121x</b> | 10 µF / 50 V<br>1210 MLCC  | 220 pF / 2 kV<br>1206 MLCC | -                          | -                           | 16.1 µH<br>TCK-138 | 10 µH<br>TCK-116 |
| <b>TMR 9-122x</b> | 10 µF / 100 V<br>1210 MLCC | 220 pF / 2 kV<br>1206 MLCC | 150 pF / 2 kV<br>1206 MLCC | 1000 pF / 2 kV<br>1206 MLCC | 16.1 µH<br>TCK-138 | 10 µH<br>TCK-116 |

 TCK-116 datasheet: [www.tracopower.com/overview/tck-116](http://www.tracopower.com/overview/tck-116)

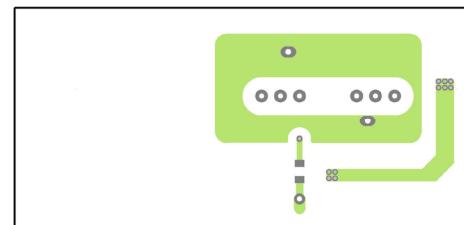
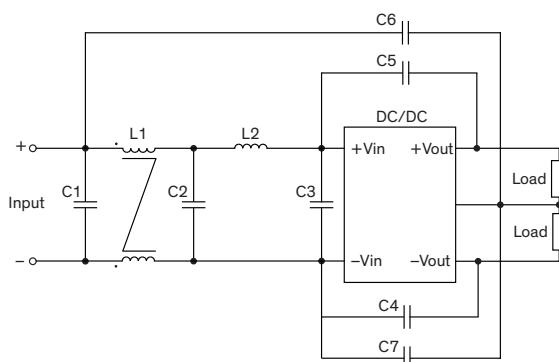
 TCK-138 datasheet: [www.tracopower.com/overview/tck-138](http://www.tracopower.com/overview/tck-138)

**Suggested filter to comply with EN 55032 Conducted and Radiated Emissions Class B limits****Single output models**

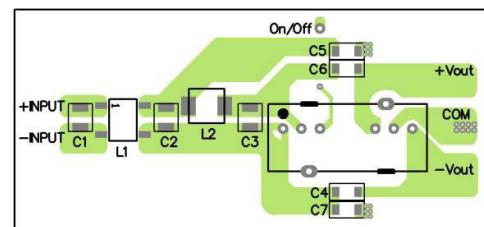
Top view



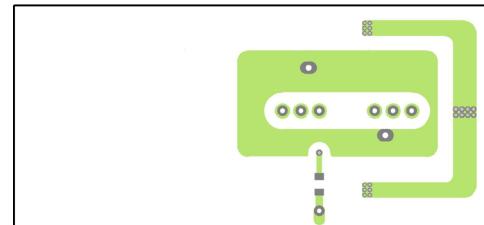
Bottom view

**Dual output models**

Top view



Bottom view

**Suggested components to comply with EN 55032 Conducted and Radiated Emissions Class B limits**

| Model      | C1, C2, C3                  | C4                          | C5                          | C6                          | C7                         | L1                  | L2               |
|------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|---------------------|------------------|
| TMR 9-241x | 4.7 µF / 100 V<br>1210 MLCC | 1000 pF / 2 kV<br>1206 MLCC | 1000 pF / 2 kV<br>1206 MLCC | 220 pF / 2 kV<br>1206 MLCC  | -                          | 137.5 µH<br>TCK-140 | 10 µH<br>TCK-116 |
| TMR 9-481x |                             |                             |                             |                             |                            |                     |                  |
| TMR 9-242x | 4.7 µF / 100 V<br>1210 MLCC | 1000 pF / 2 kV<br>1206 MLCC | 150 pF / 2 kV<br>1206 MLCC  | 1000 pF / 2 kV<br>1206 MLCC | 150 pF / 2 kV<br>1206 MLCC | 137.5 µH<br>TCK-140 | 10 µH<br>TCK-116 |
| TMR 9-482x |                             |                             |                             |                             |                            |                     |                  |

TCK-116 datasheet: [www.tracopower.com/overview/tck-116](http://www.tracopower.com/overview/tck-116)TCK-140 datasheet: [www.tracopower.com/overview/tck-140](http://www.tracopower.com/overview/tck-140)