

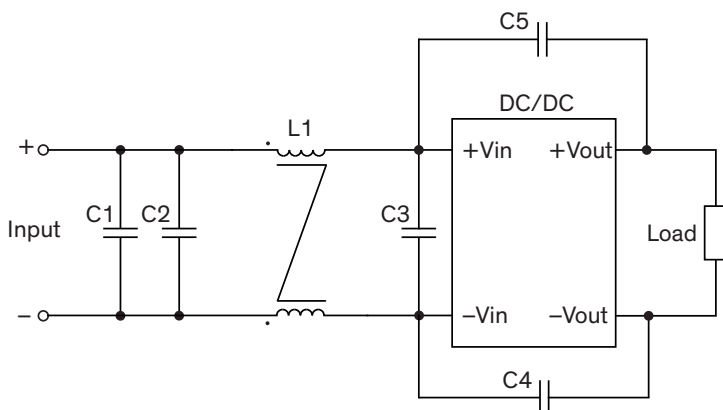
EMI Consideration

Suggested filter to comply with EN 55032 Class A limits

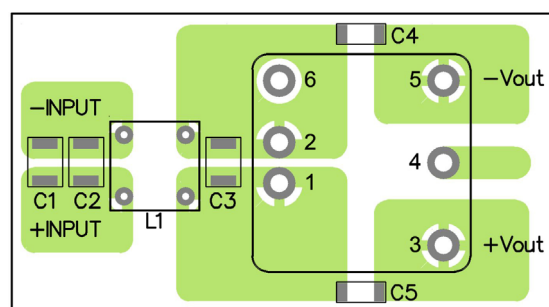
THN 20WI series meet EN 55032 Class A without external componets.

Suggested filter to comply with EN 55032 Class B limits

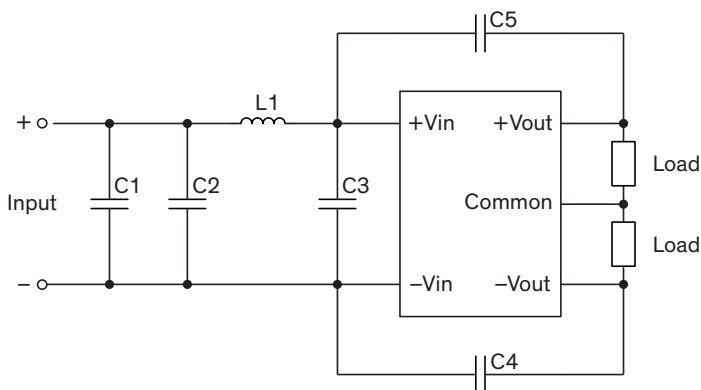
Single output models



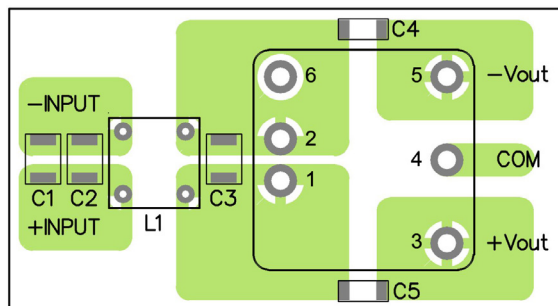
PCB layout suggestion



Dual output models



PCB layout suggestion



Suggested components to comply with EN 55032 Class B limits

Model	C1	C2	C3	C4	C5	L1
THN 20-24xxWI	4.7 μ F / 50 V 1812 MLCC	N/A	NA	470 pF / 2 kV 1808 MLCC	470 pF / 2 kV 1808 MLCC	325 μ H TCK-50 Common-Choke
THN 20-48xxWI	2.2 μ F / 100 V 1812 MLCC	2.2 μ F / 100 V 1812 MLCC	2.2 μ F / 100 V 1812 MLCC	1000 pF / 2 kV 1808 MLCC	1000 pF / 2 kV 1808 MLCC	325 μ H TCK-50 Common-Choke

TCK-050 datasheet: www.tracopower.com/overview/tck-050