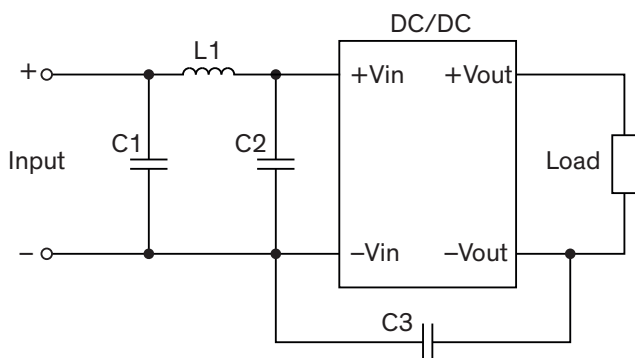


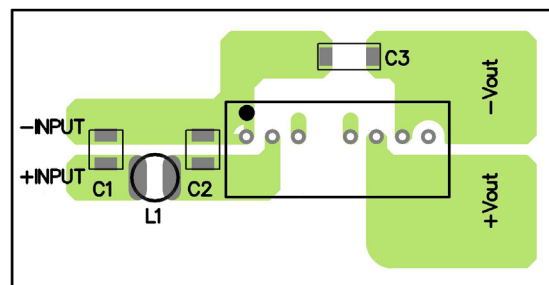
EMI Consideration

Suggested filter to comply with EN 55032 Class A limits

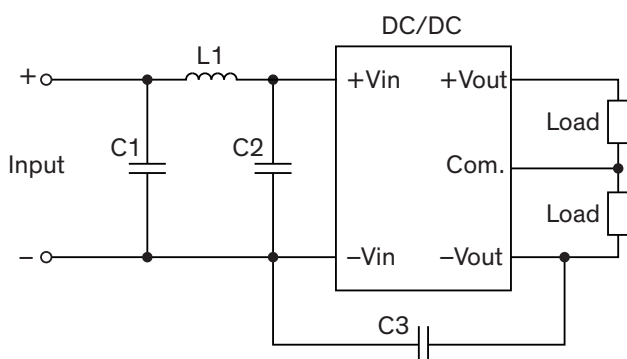
Single output models



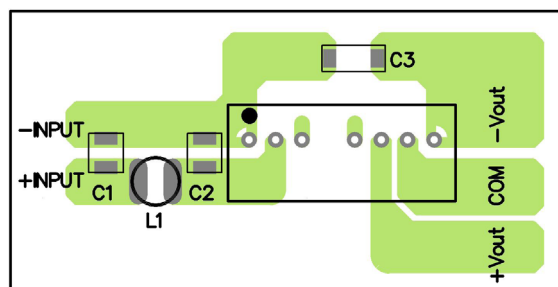
PCB layout suggestion



Dual output models



PCB layout suggestion



Suggested components to comply with EN 55032 Class A limits

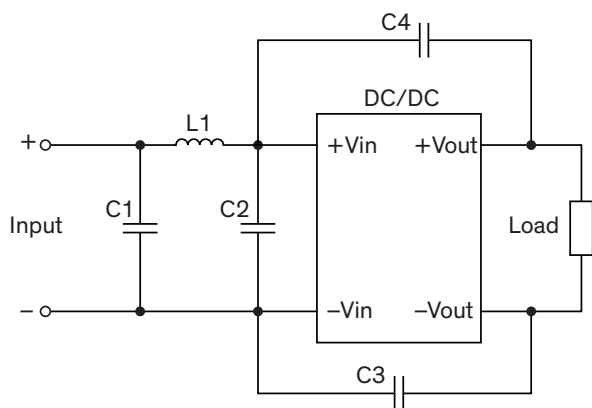
Model	C1	C2	C3	L1
TEC 2-12xxWI	10 μ F / 25 V 1206 MLCC	4.7 μ F / 25 V 1206 MLCC	150 pF / 2 kV 1206 MLCC	4.7 μ H / 1.15 A SMD-Inductor TCK-154
TEC 2-24xxWI	4.7 μ F / 50 V 1206 MLCC	2.2 μ F / 50 V 1206 MLCC	N/A	4.7 μ H / 1.15 A SMD-Inductor TCK-154
TEC 2-48xxWI	2.2 μ F / 100 V 1206 MLCC	N/A	150 pF / 2 kV 1206 MLCC	68 μ H / 0.37 A SMD-Inductor TCK-133

TCK-154 datasheet: www.tracopower.com/overview/tck-154

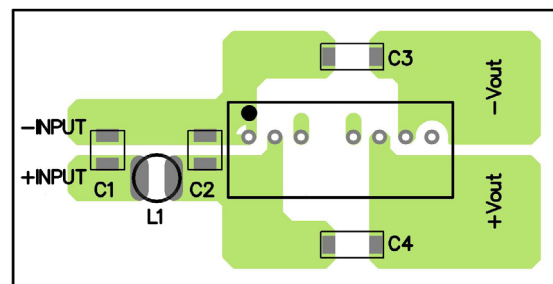
TCK-133 datasheet: www.tracopower.com/overview/tck-133

Suggested filter to comply with EN 55032 Class B limits

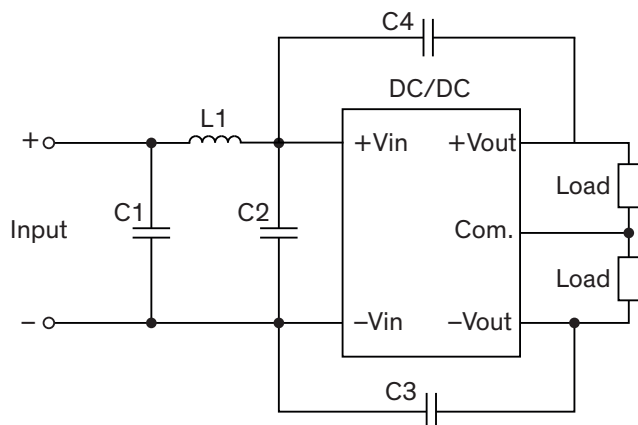
Single output models



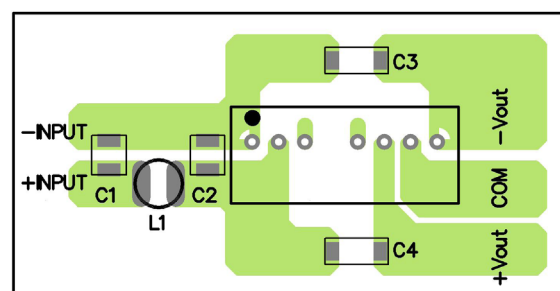
PCB layout suggestion



Dual output models



PCB layout suggestion



Suggested components to comply with EN 55032 Class B limits

Model	C1	C2	C3	C4	L1
TEC 2-12xxWI	10 μ F / 25 V 1206 MLCC	10 μ F / 25 V 1206 MLCC	220 pF / 2 kV 1206 MLCC	150 pF / 2 kV 1206 MLCC	4.7 μ H / 1.15 A SMD-Inductor TCK-154
TEC 2-24xxWI	10 μ F / 50 V 1206 MLCC	4.7 μ F / 50 V 1206 MLCC	150 pF / 2 kV 1206 MLCC	N/A	4.7 μ H / 1.15 A SMD-Inductor TCK-154
TEC 2-48xxWI	2.2 μ F / 100 V 1206 MLCC	2.2 μ F / 100 V 1206 MLCC	150 pF / 2 kV 1206 MLCC	680 pF / 2 kV 1206 MLCC	68 μ H / 0.37 A SMD-Inductor TCK-133

TCK-154 datasheet: www.tracopower.com/overview/tck-154

TCK-133 datasheet: www.tracopower.com/overview/tck-133