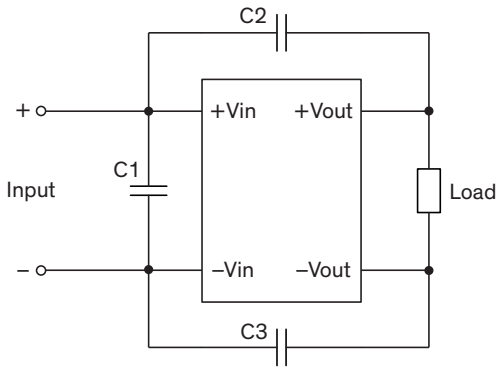
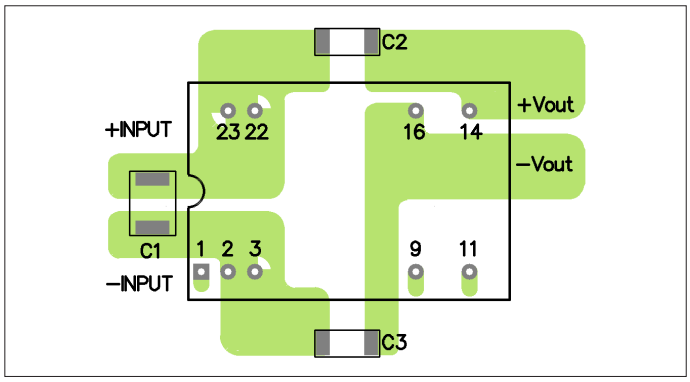
EMI Consideration

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

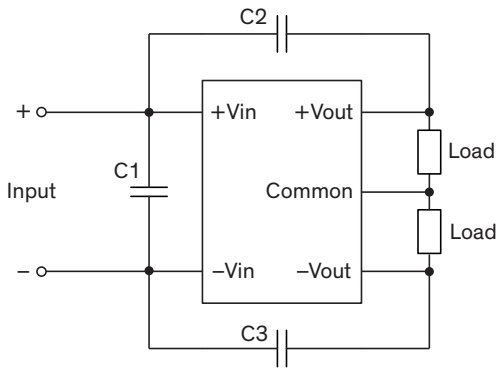
Single output models



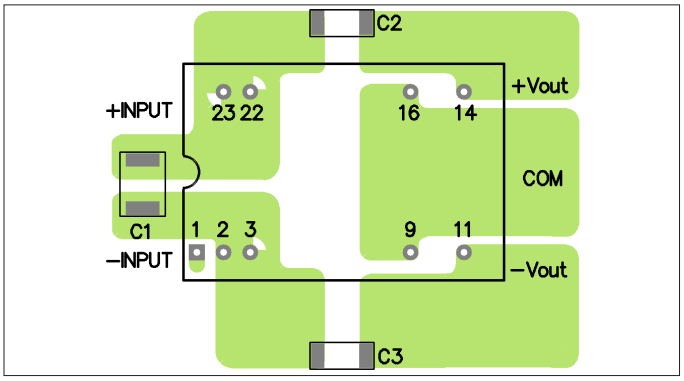
PCB layout suggestion



Dual output models



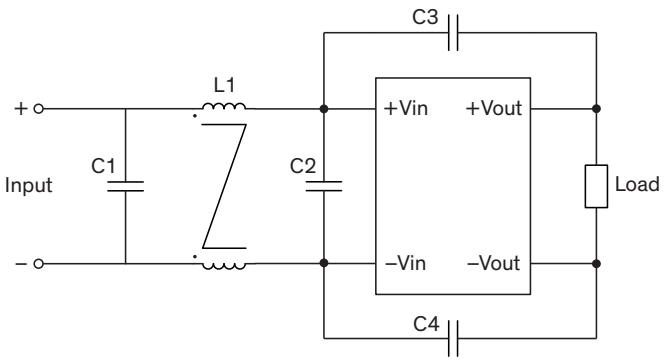
PCB layout suggestion



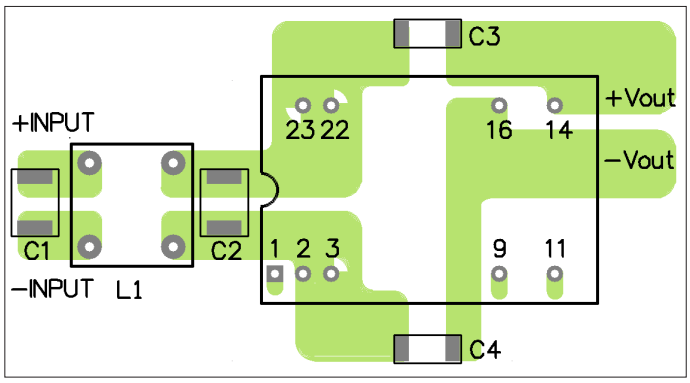
Suggested components to comply with EN 55032 Conducted and Radiated Emissions Class A limits			
Model	**C1**	**C2**	**C3**
TEN 8-12xx	4.7 µF / 25 V / 1210 MLCC	1000 pF / 2 kV / 1206 MLCC	1000 pF / 2 kV / 1206 MLCC
TEN 8-24xx **TEN 8-48xx**	-		

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

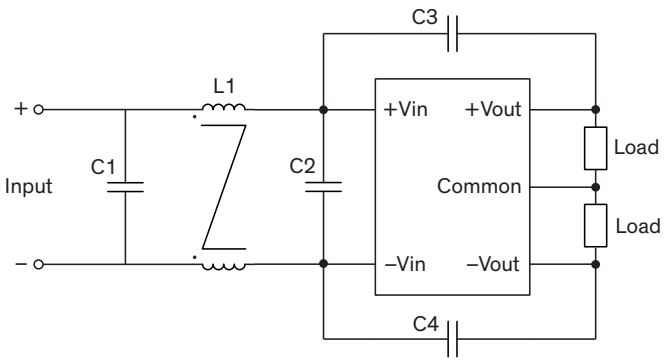
Single output models



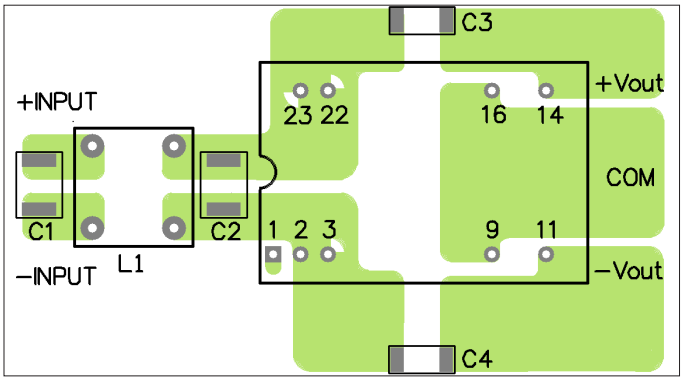
PCB layout suggestion



Dual output models



PCB layout suggestion



Suggested components to comply with EN 55032 Conducted and Radiated Emissions Class B limits				
Model	**C1**	**C2**	**C3, C4**	**L1**
TEN 8-12xx	4.7 µF / 50 V 1812 MLCC	-	1000 pF / 2 kV 1206 MLCC	325 µH TCK-050
TEN 8-24xx	6.8 µF / 50 V 1812 MLCC			
TEN 8-48xx	2.2 µF / 100 V 1812 MLCC	2.2 µF / 100 V 1812 MLCC		

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