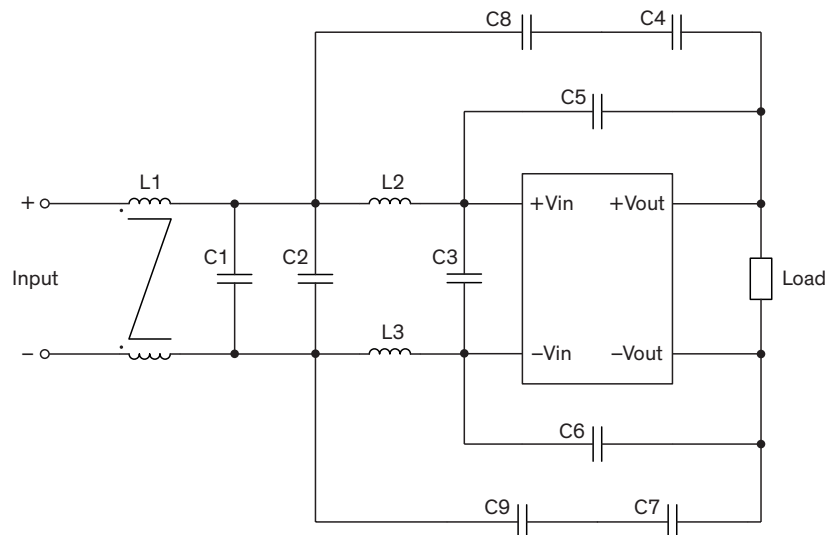
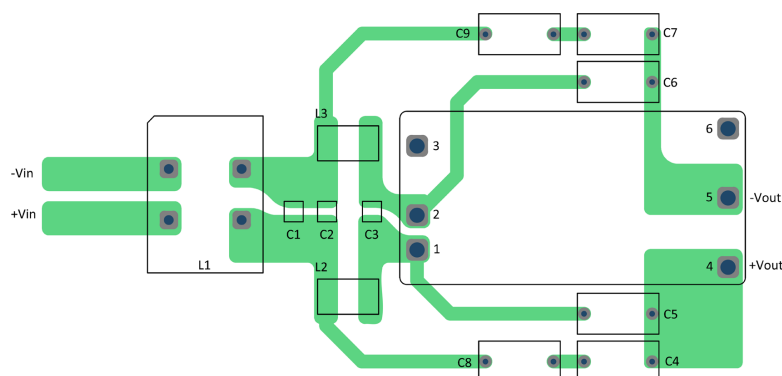


## EMI Consideration

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



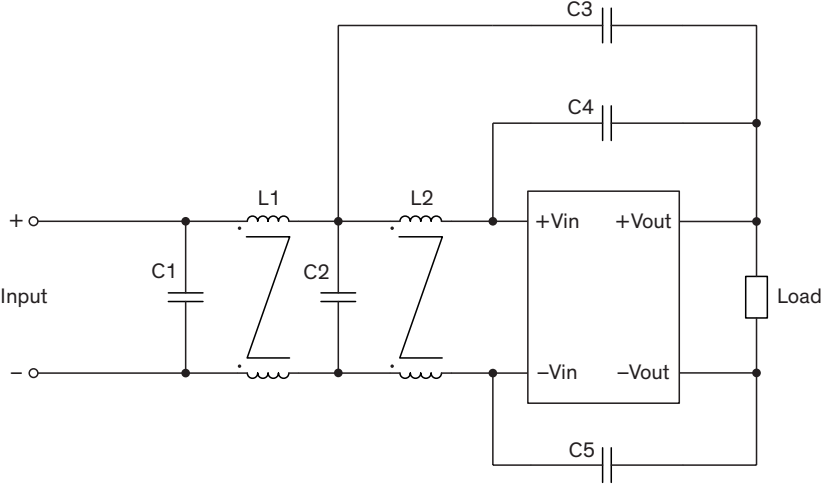
PCB layout suggestion (top view)



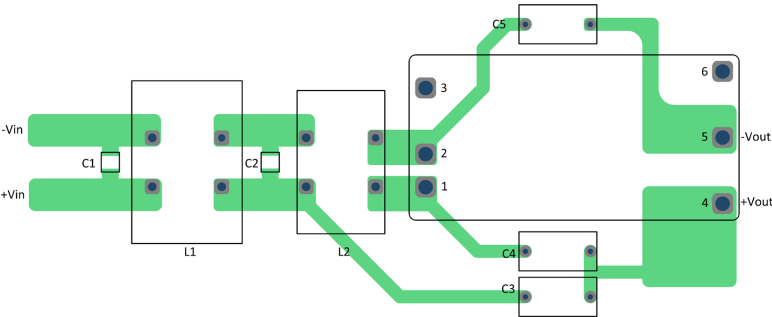
### Suggested components to comply with EN 55032 Conducted and Radiated Emissions Class A limits

Model	L1	C1, C3	L2, L3	C2	C4, C5, C6, C7	C8, C9
<b>TEN 50-xxxxWI</b>	1 mH / 15 A 3.3 mΩ 7448031501	4.7 μF / 100 V 1210	100 MHz / 5 A 580 Ω 7427512	3.3 μF / 100 V 1210	3300 pF 400 VAC Y1 capacitor	2200 pF 400 VAC Y1 capacitor

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

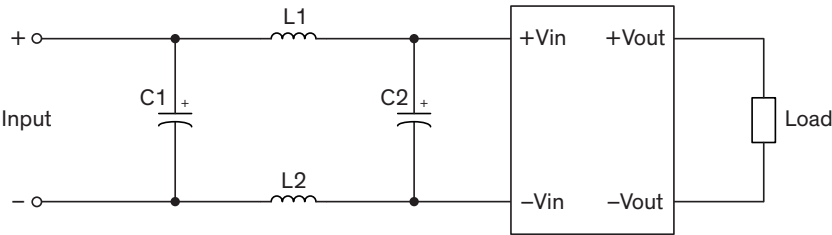


**PCB layout suggestion (top view)**

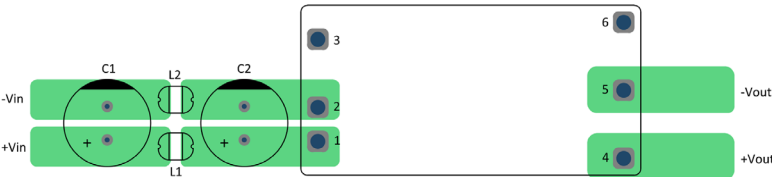


Suggested filter to comply with EN 55032 Conducted Emissions Class B limits					
Model	C1, C2	L1	L2	C3	C4, C5
TEN 50-xxxxWI	3.3 $\mu$ F / 100 V 1210	1 mH / 6 A 13 m $\Omega$ 744823601	9 mH / 5 A 28 m $\Omega$ 7448030509	1000 pF / 400 VAC Y1 capacitor	2200 pF / 400 VAC Y1 capacitor

**Suggested filter to comply with EFT (Burst) & Surge, perf. criteria A**



PCB layout suggestion (top view)



Suggested components to comply with EFT (Burst) & Surge, perf. criteria A			
Model	L1, L2	C1	C2
TEN 50-24xxWI	-	1200 $\mu$ F / 50 V / KY	-
TEN 50-48xxWI	4.7 $\mu$ H / 2.46 A 744773047	560 $\mu$ F / 100 V / KY	560 $\mu$ F / 100 V / KY