

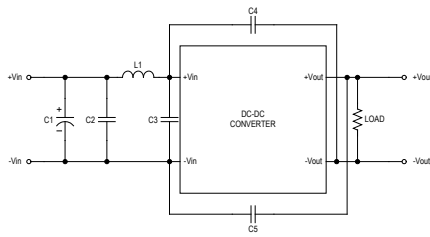


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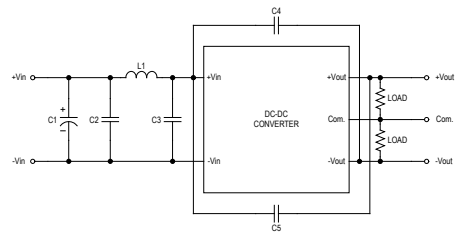
MCWI04 Series - EMC Notes

MCWI04 Series - EMC Notes

External Filter meets Total solution (for EFT & Surge & EMI) EN 55032, class A



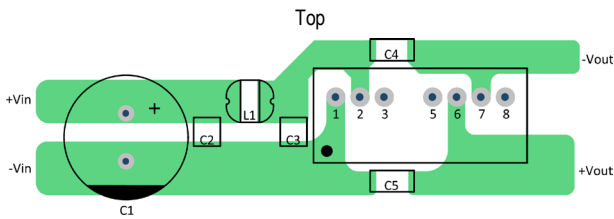
Single Output



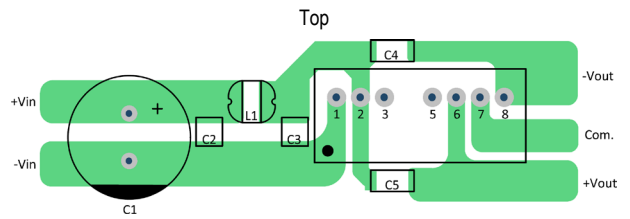
Dual Output

Model	C1	C2	L1	C3	C4, C5
MCWI04-24XXX	330 μ F/80V CHEMI-CON KY Series	4.7 μ F/50V 1210 X5R	SCD0403T 4.7 μ H	4.7 μ F/50V 1210 X5R	220pF/2kV 1808 X7R
MCWI04-48XXX	330 μ F/100V CHEMI-CON KY Series	4.7 μ F/100V 1210 X5R	SCD0403T 4.7 μ H	4.7 μ F/100V 1210 X5R	220pF/2kV 1808 X7R

Recommended PCB Layout with Input Filter



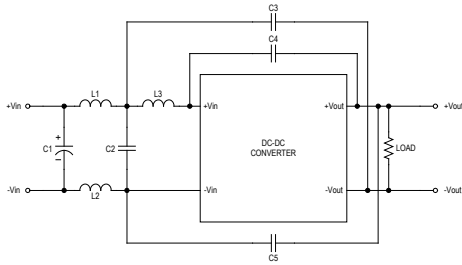
Single Output



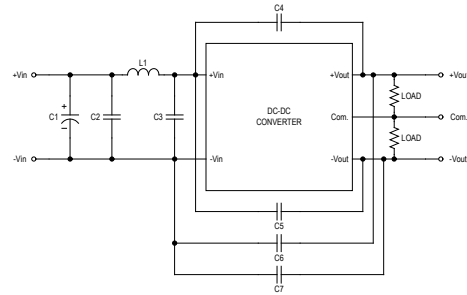
Dual Output

MCWI04 Series - EMC Notes

External Filter meets Total solution (for EFT & Surge & EMI) EN 55032, class B



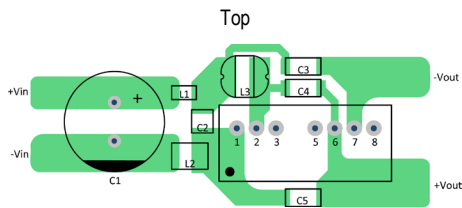
Single Output



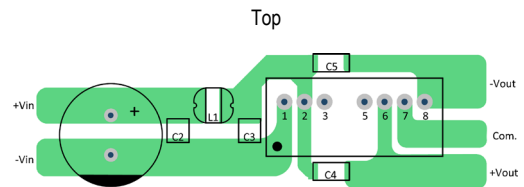
Dual Output

Model	C1	L1	L2	C2	L3	C3	C4, C5	C6, C7
MCWI04-24SXX	330 μ F/80V CHEMI-CON KY Series	742792133	74279252	4.7 μ F/50V 1210 X5R	SCD0504T 18 μ H	220pF/2kV 1808 X7R	220pF/2kV 1808 X7R	---
MCWI04-24DXX	330 μ F/80V CHEMI-CON KY Series	SCD0403T 4.7 μ H	---	4.7 μ F/50V 1210 X5R	---	4.7 μ F/50V 1210 X5R	220pF/2kV 1808 X7R	220pF/2kV 1808 X7R
MCWI04-48SXX	330 μ F/100V CHEMI-CON KY Series	742792133	74279252	4.7 μ F/100V 1210 X5R	SCD0504T 18 μ H	220pF/2kV 1808 X7R	220pF/2kV 1808 X7R	---
MCWI04-48DXX	330 μ F/100V CHEMI-CON KY Series	SCD0403T 4.7 μ H	---	4.7 μ F/100V 1210 X5R	---	4.7 μ F/100V 1210 X5R	220pF/2kV 1808 X7R	220pF/2kV 1808 X7R

Recommended PCB Layout with Input Filter



Single Output



Bottom

Dual Output