

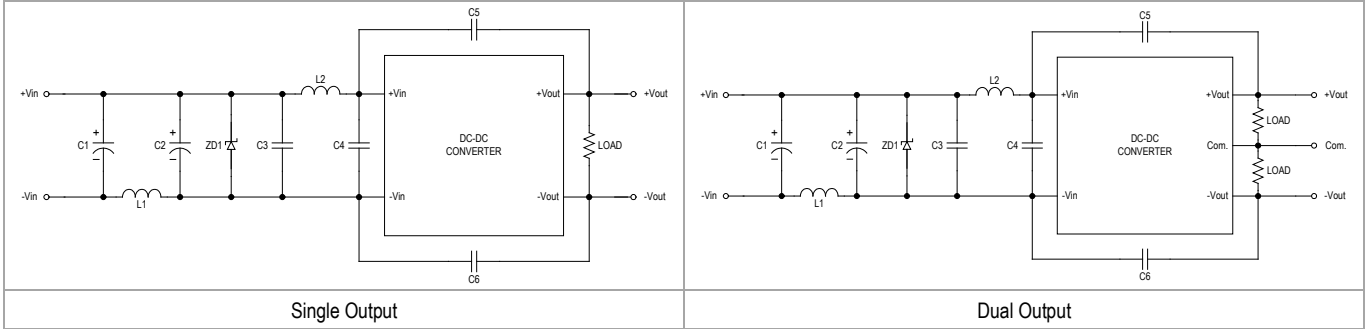


MINMAX[®]

MCWI08 Series - EMC Notes

MCWI08 Series - EMC Notes

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

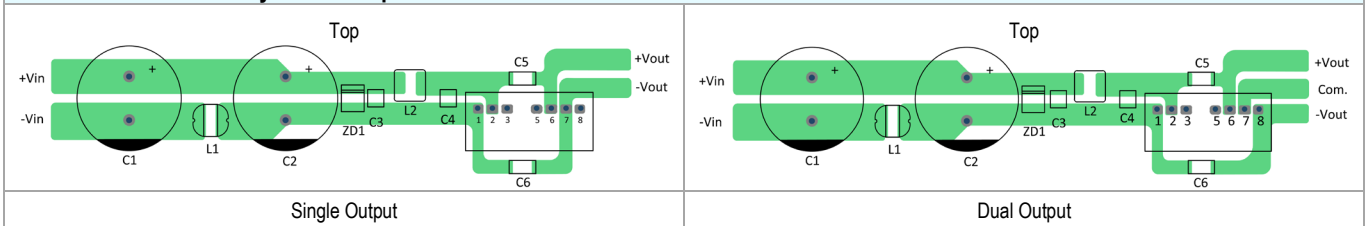


Model	C1, C2	L1	L2	ZD1, C4	C3	C5, C6
MCWI08-12XXX	1200 μ F/50V CHEMI-CON KY Series	3.3 μ H/3A 7447745033	10 μ H/1.7A 7447745100	---	10 μ F/50V 1210 X7R	1000pF/2kV 1808 X7R

Model	C1, C2	L1	ZD1	C3, C4	L2	C5, C6
MCWI08-24XXX	1200 μ F/50V CHEMI-CON KY Series	SHORT	SMBJ70A	10 μ F/50V 1210 X7R	3.3 μ H/3A 7447745033	1000pF/2kV 1808 X7R

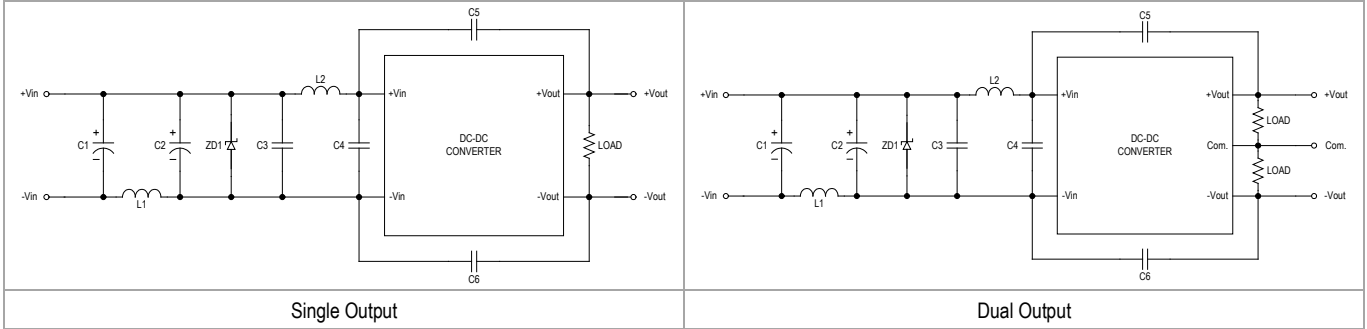
Model	C1, C2	L1	ZD1	C3, C4	L2	C5, C6
MCWI08-48XXX	470 μ F/100V CHEMI-CON KY Series	SHORT	SMBJ120D	4.7 μ F/100V 1210 X7S	10 μ H/1.7A 7447745100	220pF/2kV 1808 X7R

Recommended PCB Layout with Input Filter



MCWI08 Series - EMC Notes

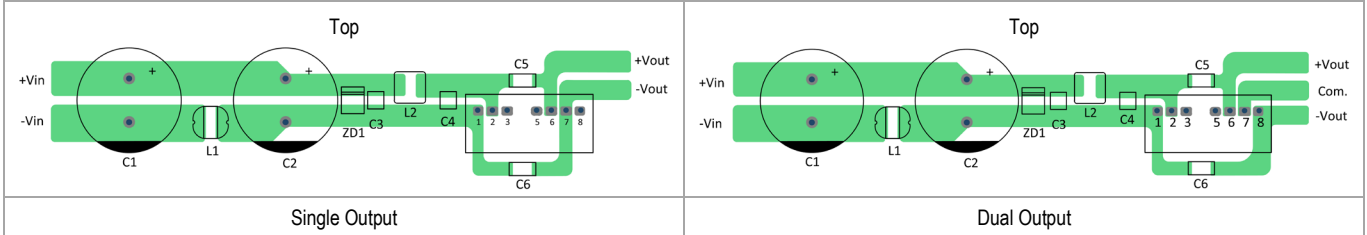
External Filter meets EMI Total solution (for Surge & EFT Filter) EN 55032, class B



Model	C1, C2	L1, L2	ZD1, C4	C3	C5, C6
MCWI08-12XXX	1200 μ F/50V CHEMI-CON KY Series	3.3 μ H/3A 7447745033	---	10 μ F/50V 1210 X7R	220pF/2kV 1808 X7R

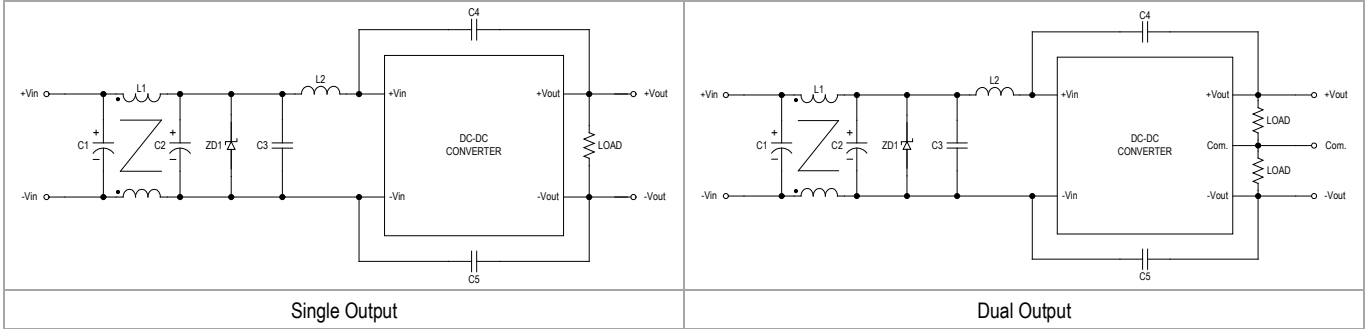
Model	C1, C2	L1	L2	ZD1	C3, C4	C5, C6
MCWI08-24XXX	1200 μ F/50V CHEMI-CON KY Series	SHORT	3.3 μ H/3A 7447745033	SMBJ70A	10 μ F/50V 1210 X7R	1000pF/2kV 1808 X7R

Recommended PCB Layout with Input Filter



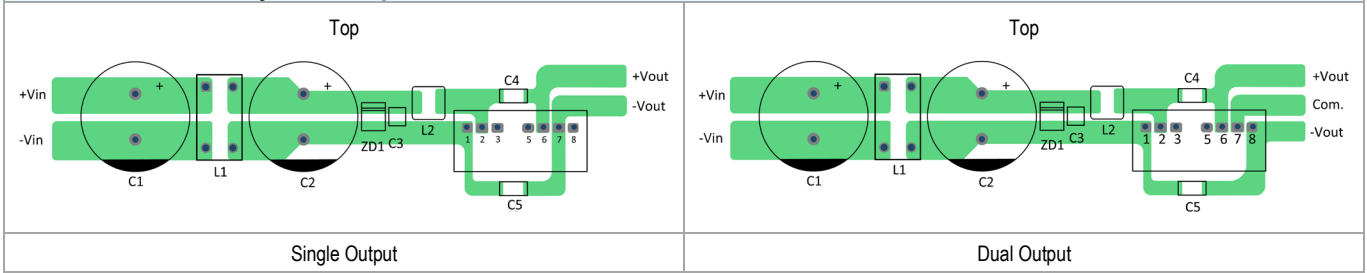
MCWI08 Series - EMC Notes

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



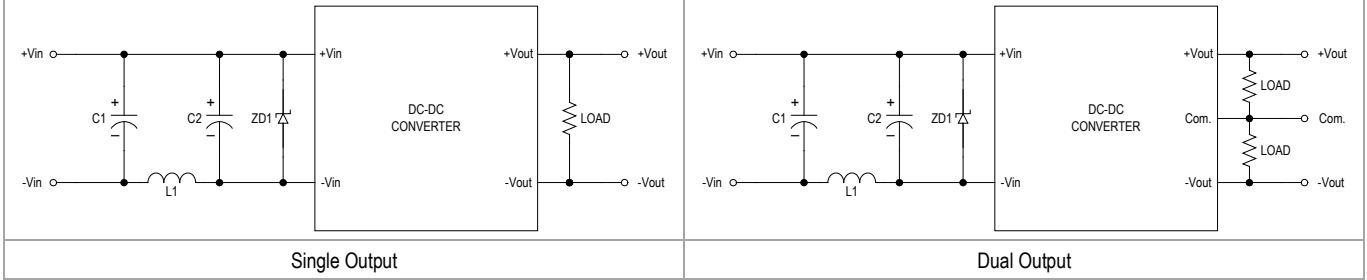
Model	C1, C2	L1	ZD1	C3	L2	C4, C5
MCWI08-48XXX	470µF/100V CHEMI-CON KY Series	5mH/1.3A 7448011305	SMBJ120D	4.7µF/100V 1210 X7S	10µH/1.7A 7447745100	680pF/2kV 1808 X7R

Recommended PCB Layout with Input Filter



MCWI08 Series - EMC Notes

External Filter meets EMS (for Surge & EFT) EN 55035, criteria A



Model	C1, C2	L1	ZD1
MCWI08-12XXX	1200 μ F/50V CHEMI-CON KY Series	10 μ H/1.7A 7447745100	---
MCWI08-24XXX	1200 μ F/50V CHEMI-CON KY Series	SHORT	SMBJ70A
MCWI08-48XXX	470 μ F/100V CHEMI-CON KY Series	SHORT	SMBJ120D

Recommended PCB Layout with Input Filter

