

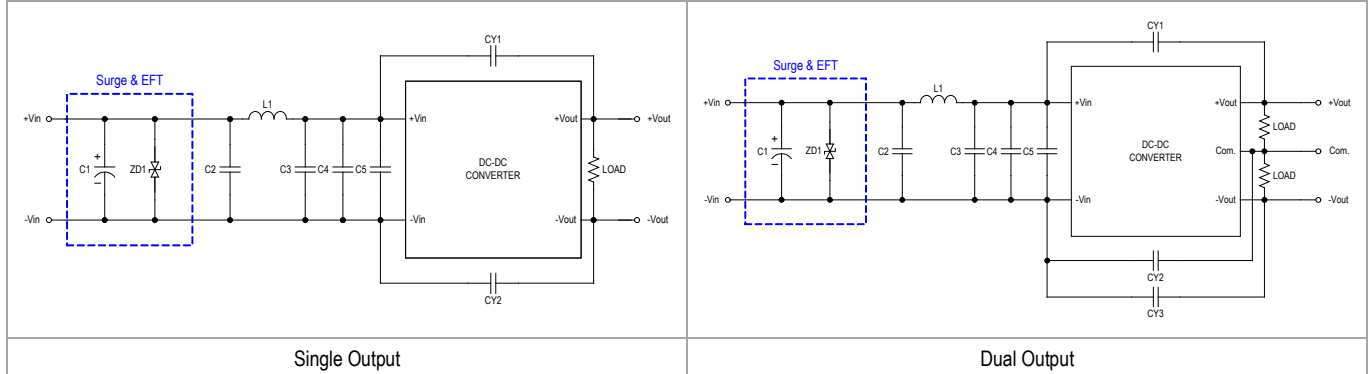


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MSU02 Series - EMC Notes

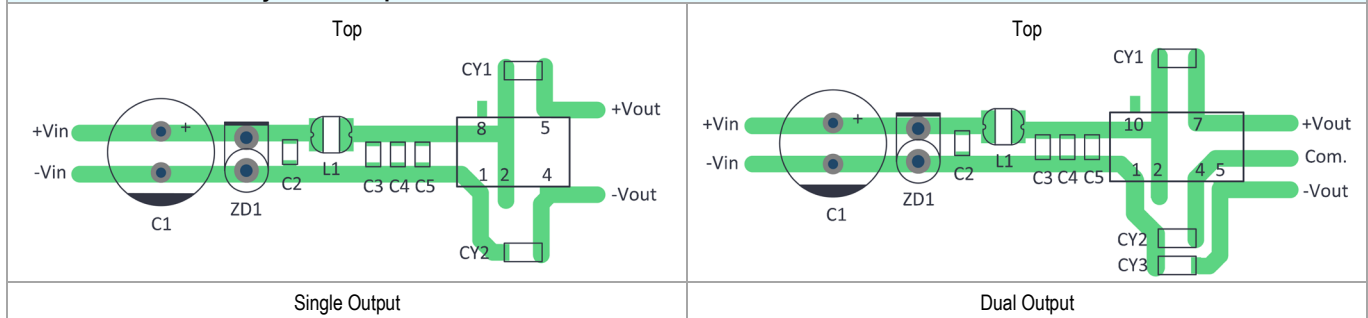
MSU02 Series - EMC Notes

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



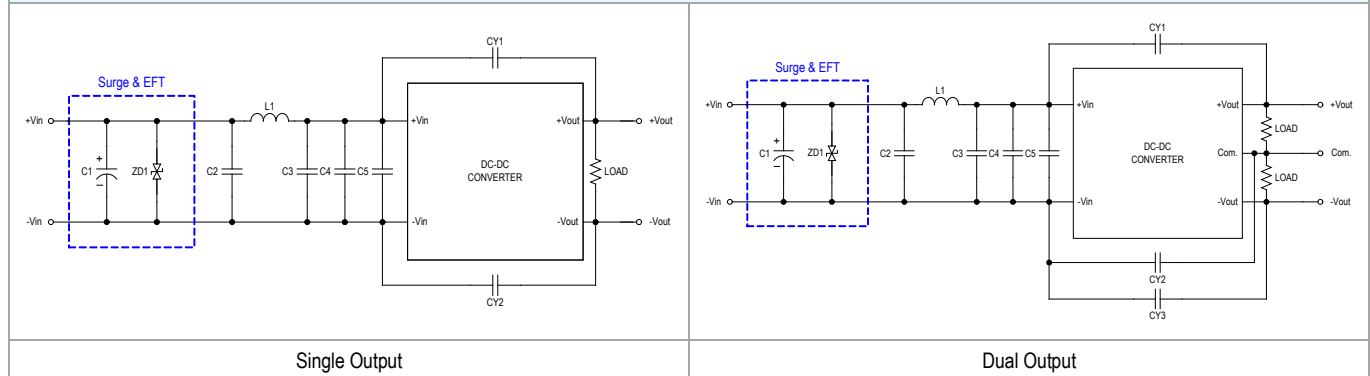
Model	C1	ZD1	C2, C3, C4, C5, CY1, CY2, CY3	L1
MSU02-05XXX	680 μ F/80V CHEMI-CON KYB Series	1.5KE7.5CA (TVS Diode)	---	1 μ H/4A 7447730
MSU02-12XXX	560 μ F/50V CHEMI-CON KY Series	1.5KE18CA (TVS Diode)	---	1 μ H/4A 7447730
MSU02-24XXX	820 μ F/50V CHEMI-CON KY Series	---	---	1 μ H/4A 7447730

Recommended PCB Layout with Input Filter



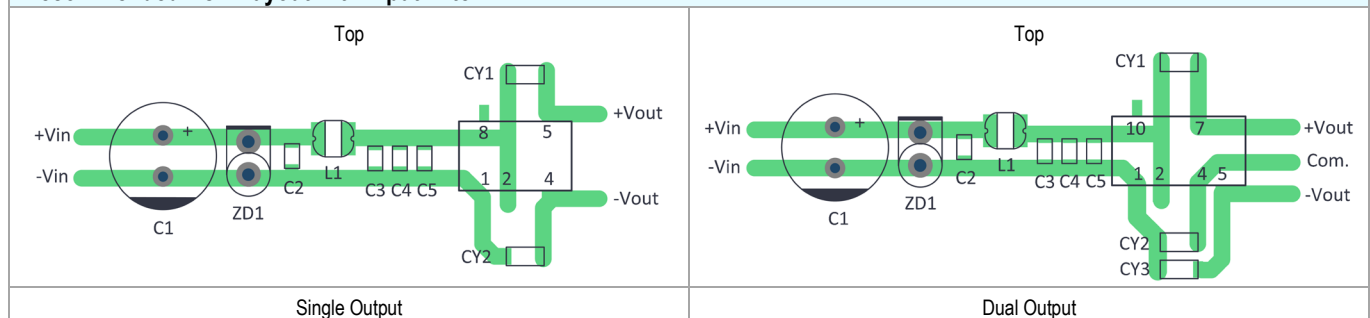
MSU02 Series - EMC Notes

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



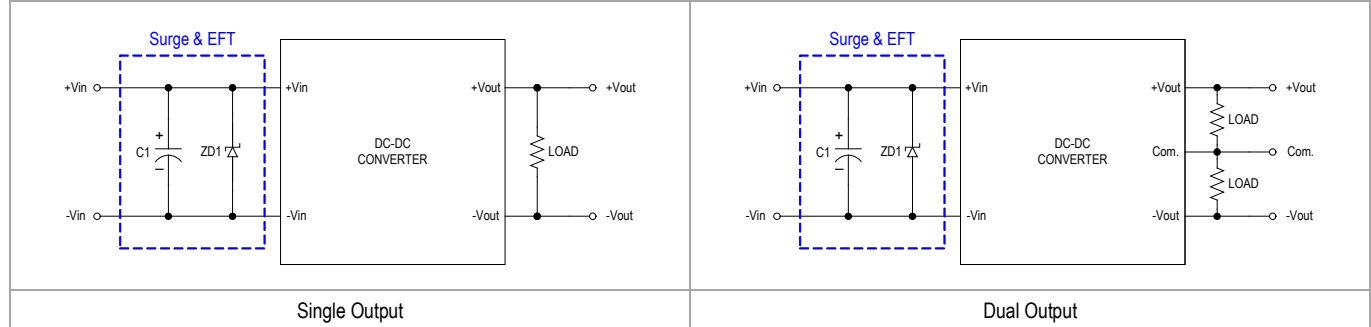
Model	C1	ZD1	C2, C3, C4, C5, CY1	L1	CY2	CY3
MSU02-05SXX	680μF/80V CHEMI-CON KYB Series	1.5KE7.5CA (TVS Diode)	---	3.3μH/2A 744773033	220pF/2kV 1808 X7R	---
MSU02-05DXX	680μF/80V CHEMI-CON KYB Series	1.5KE7.5CA (TVS Diode)	---	3.3μH/2A 744773033	---	220pF/2kV 1808 X7R
MSU02-12SXX	560μF/50V CHEMI-CON KY Series	1.5KE18CA (TVS Diode)	---	3.3μH/2A 744773033	220pF/2kV 1808 X7R	---
MSU02-12DXX	560μF/50V CHEMI-CON KY Series	1.5KE18CA (TVS Diode)	---	3.3μH/2A 744773033	---	220pF/2kV 1808 X7R
MSU02-24SXX	820μF/50V CHEMI-CON KY Series	---	---	3.3μH/2A 744773033	220pF/2kV 1808 X7R	---
MSU02-24DXX	820μF/50V CHEMI-CON KY Series	---	---	3.3μH/2A 744773033	---	220pF/2kV 1808 X7R

Recommended PCB Layout with Input Filter



MSU02 Series - EMC Notes

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



Model	C1	ZD1
MSU02-05XXX	680μF/80V CHEMI-CON KYB Series	1.5KE7.5CA (TVS Diode)
MSU02-12XXX	560μF/50V CHEMI-CON KY Series	1.5KE18CA (TVS Diode)
MSU02-24XXX	820μF/50V CHEMI-CON KY Series	---

Recommended PCB Layout with Input Filter

