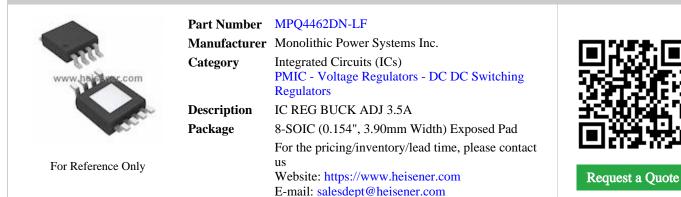


MPQ4462DN-LF

MPQ4462DN-LF Information



Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



MPQ4462DN-LF Specifications

ManufacturerMonolithic Power Systems Inc.CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage8-SOIC (0.154", 3.90mm Width) Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)30VCurrent - Output3.5AFrequency - SwitchingUp to 4MHzSynchronous RectifierNoOperating Temperature4.0°C ~ 125°C (TJ)Mounting Type8-SOIC (0.154", 3.90mm Width) Exposed Pad		
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage8-SOIC (0.154", 3.90mm Width) Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositivePoolugyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)3.5AFrequency - SwitchingUp to 4MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeS-SOIC (0.154", 3.90mm Width) Exposed PadPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC -EP	Manufacturer Part Number	MPQ4462DN-LF
PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage8-SOIC (0.154", 3.90mm Width) Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)3.5AFrequency - SwitchingUp to 4MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeS-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC (0.154", 3.90mm Width) Exposed Pad	Manufacturer	Monolithic Power Systems Inc.
Package8-SOIC (0.154", 3.90mm Width) Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Input (Min/Fixed)0.8VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)3.5ACurrent - Output3.5ASynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Category	Integrated Circuits (ICs)
Series-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Input (Min/Fixed)6VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)3.5ACurrent - Output3.5AFrequency - SwitchingUp to 4MHzSynchronous RectifierNoOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableOutput Type1Number of Outputs3.8VVoltage - Input (Min)3.6VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)3.5ACurrent - Output3.5AFrequency - SwitchingUp to 4MHzSynchronous Rectifier40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Package	8-SOIC (0.154", 3.90mm Width) Exposed Pad
Output ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Input (Max)36VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)30VCurrent - Output3.5AFrequency - SwitchingUp to 4MHzSynchronous RectifierNoOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSaSOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Series	-
TopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Input (Max)36VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)30VSurface - Output (Max)30VSynchronous RectifierUp to 4MHzSynchronous Rectifier-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Function	Step-Down
ProcessionAdjustableOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Input (Max)36VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)30VCurrent - Output3.5ACurrent - OutputVoltageSynchronous RectifierVoltage - 1.125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Output Configuration	Positive
Number of Outputs1Number of Outputs1Voltage - Input (Min)3.8VVoltage - Input (Max)36VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)30VCurrent - Output3.5AFrequency - SwitchingUp to 4MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Topology	Buck
Voltage - Input (Min)3.8VVoltage - Input (Max)36VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)30VCurrent - Output3.5AFrequency - SwitchingUp to 4MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Output Type	Adjustable
Voltage - Input (Max)36VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)30VCurrent - Output3.5AFrequency - SwitchingUp to 4MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Number of Outputs	1
Voltage - Output (Min/Fixed)0.8VVoltage - Output (Max)30VCurrent - Output3.5AFrequency - SwitchingUp to 4MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Voltage - Input (Min)	3.8V
Voltage - Output (Max)30VCurrent - Output3.5AFrequency - SwitchingUp to 4MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Voltage - Input (Max)	36V
Current - Output3.5AFrequency - SwitchingUp to 4MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Voltage - Output (Min/Fixed)	0.8V
Frequency - SwitchingUp to 4MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Voltage - Output (Max)	30V
Synchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Current - Output	3.5A
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Frequency - Switching	Up to 4MHz
Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Synchronous Rectifier	No
Package / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 8-SOIC-EP	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width) Exposed Pad
Report errors?	Supplier Device Package	8-SOIC-EP
		Report errors?

MPQ4462DN-LF Guarantees



Quality Guarantees

We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

SERVICE BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

MPQ4462DN-LF Payment Methods



MPQ4462DN-LF Shipping Methods



If you have any question about MPQ4462DN-LF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com