



### **MP2016DD-LF-P Information**



For Reference Only

Part Number MP2016DD-LF-P

Manufacturer Monolithic Power Systems Inc.

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LINEAR POS ADJ 30MA 8QFN

Package 8-TFDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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# **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.









## **MP2016DD-LF-P Specifications**

Manufacturer Part NumberMP2016DD-LF-PManufacturerMonolithic Power Systems Inc.CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage8-TFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)42VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)40VVoltage Dropout (Max)0.9V @ 30mACurrent - Output30mACurrent - Quiescent (Iq)-Current - Supply (Max)30μAPSRR-	THE EVILLE OF THE PERSONS	
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage8-TFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)42VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)40VVoltage Dropout (Max)0.9V @ 30mACurrent - Output30mACurrent - Quiescent (Iq)-Current - Supply (Max)30μA	Manufacturer Part Number	MP2016DD-LF-P
PMIC - Voltage Regulators - Linear  Package 8-TFDFN Exposed Pad  Series - Output Configuration Positive Output Type Adjustable Number of Regulators 1  Voltage - Input (Max) 42V  Voltage - Output (Min/Fixed) 1.2V  Voltage - Output (Max) 40V  Voltage - Output (Max) 0.9V @ 30mA  Current - Output Output (Max) 30mA  Current - Quiescent (Iq) - Current - Supply (Max) 30μA	Manufacturer	Monolithic Power Systems Inc.
Package8-TFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)42VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)40VVoltage Dropout (Max)0.9V @ 30mACurrent - Output30mACurrent - Quiescent (Iq)-Current - Supply (Max)30μA	Category	Integrated Circuits (ICs)
Series-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)42VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)40VVoltage Dropout (Max)0.9V @ 30mACurrent - Output30mACurrent - Quiescent (Iq)-Current - Supply (Max)30μA		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)42VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)40VVoltage Dropout (Max)0.9V @ 30mACurrent - Output30mACurrent - Quiescent (Iq)-Current - Supply (Max)30μA	Package	8-TFDFN Exposed Pad
Output TypeAdjustableNumber of Regulators1Voltage - Input (Max)42VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)40VVoltage Dropout (Max)0.9V @ 30mACurrent - Output30mACurrent - Quiescent (Iq)-Current - Supply (Max)30μA	Series	-
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Voltage - Input (Max) 42V Voltage - Output (Min/Fixed) 1.2V Voltage - Output (Max) 40V Voltage Dropout (Max) 0.9V @ 30mA Current - Output 30mA Current - Quiescent (Iq) - Current - Supply (Max) 30μA	Output Type	Adjustable
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  Current - Quiescent (Iq)  Current - Supply (Max)  30μA	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  30mA  Current - Quiescent (Iq)  Current - Supply (Max)  30μA	Voltage - Input (Max)	42V
Voltage Dropout (Max)  Current - Output  Current - Quiescent (Iq)  Current - Supply (Max)  30mA  -  30μA	Voltage - Output (Min/Fixed)	1.2V
Current - Output 30mA Current - Quiescent (Iq) - Current - Supply (Max) 30µA	Voltage - Output (Max)	40V
Current - Quiescent (Iq) - Current - Supply (Max) 30µA	Voltage Dropout (Max)	0.9V @ 30mA
Current - Supply (Max) 30µA	Current - Output	30mA
	Current - Quiescent (Iq)	-
PSRR -	Current - Supply (Max)	30μΑ
	PSRR	-
Control Features Enable	Control Features	Enable
Protection Features Over Current, Over Temperature, Short Circuit	Protection Features	Over Current, Over Temperature, Short Circuit
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Operating Temperature	-40°C ~ 85°C
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 8-TFDFN Exposed Pad	Package / Case	8-TFDFN Exposed Pad
Supplier Device Package 8-QFN (2x3)	Supplier Device Package	8-QFN (2x3)
Report errors		Report errors?

#### **MP2016DD-LF-P 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 Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### MP2016DD-LF-P Payment Methods



















# **MP2016DD-LF-P Shipping Methods**













If you have any question about MP2016DD-LF-P, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com