

MPQ2013AGG-5-AEC1-Z

MPQ2013AGG-5-AEC1-Z Information



For Reference Only

Part Number MPQ2013AGG-5-AEC1-Z
Manufacturer Monolithic Power Systems Inc.

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 5V 150MA 6QFN

Package 6-VDFN 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

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MPQ2013AGG-5-AEC1-Z Specifications

Manufacturer Part Number MPQ2013AGG-5-AEC1-Z Manufacturer Monolithic Power Systems Inc. Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 6-VDFN Exposed Pad Series Automotive, AEC-Q100 Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 40V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Voltage Dropout (Max) 1.1V @ 150mA Current - Output 150mA Current - Quiescent (Iq) 10µA Current - Supply (Max) 50µA PSRR 58dB ~ 55dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount		
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Output TypeFixedNumber of Regulators1Voltage - Input (Max)40VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)1.1V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)10μACurrent - Supply (Max)50μAPSRR58dB ~ 55dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface Mount	Series	Automotive, AEC-Q100
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Voltage - Input (Max)40VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)1.1V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)10μACurrent - Supply (Max)50μAPSRR58dB ~ 55dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface Mount	Output Type	Fixed
Voltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)1.1V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)10μACurrent - Supply (Max)50μAPSRR58dB ~ 55dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface Mount	Number of Regulators	1
Voltage - Output (Max) - Voltage Dropout (Max) 1.1V @ 150mA Current - Output 150mA Current - Quiescent (Iq) 10μA Current - Supply (Max) 50μA PSRR 58dB ~ 55dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount	Voltage - Input (Max)	40V
Voltage Dropout (Max) Current - Output 150mA Current - Quiescent (Iq) 10μA Current - Supply (Max) PSRR 58dB ~ 55dB (100Hz ~ 100kHz) Control Features Enable Protection Features Operating Temperature Operating Type Surface Mount	Voltage - Output (Min/Fixed)	5V
Current - Output $150 mA$ Current - Quiescent (Iq) $10 \mu A$ Current - Supply (Max) $50 \mu A$ PSRR $58 dB \sim 55 dB (100 Hz \sim 100 kHz)$ Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA) Mounting Type Surface Mount	Voltage - Output (Max)	-
Current - Quiescent (Iq) $10\mu A$ $50\mu A$ $50\mu A$ $PSRR$ $58dB \sim 55dB (100Hz \sim 100kHz)$ $Control Features$ $Enable$ $Protection Features$ $Over Current, Over Temperature$ $Operating Temperature$ $-40^{\circ}C \sim 125^{\circ}C (TA)$ $Ounting Type$ $Output Depth Surface Mount$	Voltage Dropout (Max)	1.1V @ 150mA
Current - Supply (Max) $50\mu A$ PSRR $58dB \sim 55dB (100Hz \sim 100kHz)$ Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature $-40^{\circ}C \sim 125^{\circ}C (TA)$ Mounting TypeSurface Mount	Current - Output	150mA
PSRR $58dB \sim 55dB (100Hz \sim 100kHz)$ Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA) Mounting Type Surface Mount	Current - Quiescent (Iq)	10μΑ
Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting TypeSurface Mount	Current - Supply (Max)	50μΑ
Protection Features Over Current, Over Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C (TA)}$ Mounting Type Surface Mount	PSRR	58dB ~ 55dB (100Hz ~ 100kHz)
Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount	Control Features	Enable
Mounting Type Surface Mount	Protection Features	Over Current, Over Temperature
	Operating Temperature	-40°C ~ 125°C (TA)
D. I. A.C.	Mounting Type	Surface Mount
Package / Case 6-VDFN Exposed Pad	Package / Case	6-VDFN Exposed Pad
Supplier Device Package 6-QFN (2x2)	Supplier Device Package	6-QFN (2x2)
Report errors?		Report errors?

MPQ2013AGG-5-AEC1-Z 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.

MPQ2013AGG-5-AEC1-Z Payment Methods



















MPQ2013AGG-5-AEC1-Z Shipping Methods













If you have any question about MPQ2013AGG-5-AEC1-Z, please do not hesitate to contact us!

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