

ADP172ACBZ-1.0-R7

ADP172ACBZ-1.0-R7 Information



| Part Number | ADP172ACBZ-1.0-R7 |
|--------------|----------------------------------------------------------------------------------------------------------------------------------|
| Manufacturer | Analog Devices Inc. |
| Category | Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear |
| Description | IC REG LINEAR 1V 300MA 4WLCSP |
| Package | 4-UFBGA, WLCSP |
| | For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com |



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For Reference Only

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.



ADP172ACBZ-1.0-R7 Specifications

| Analog Devices Inc. Manufacturer Analog Devices Inc. Category Integrated Circuits (ICs) Package 4-UFBGA, WLCSP Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 3.6V Voltage - Output (Min/Fixed) IV Voltage - Output (Max) - Current - Output 300mA Current - Output 60µA ~ 0.26µA PSRR 73dB ~ 47dB (1kHz ~ 100kHz) Control Features Over Temperature, Short Circuit, Under Voltage Lockout (UVLO) Operating Temperature 4.0°C ~ 125°C Mounting Type Surface Mount | | | |
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| Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 4-UFBGA, WLCSP Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 3.6V Voltage - Output (Min/Fixed) IV Voltage - Output (Max) - Voltage - Output (Max) - Voltage Dropout (Max) - Current - Output 300mA Current - Quiescent (Iq) - Current - Supply (Max) 60µA ~ 0.26µA PSRR 73dB ~ 47dB (1kHz ~ 100kHz) Control Features Over Temperature, Short Circuit, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 4-UFBGA, WLCSP Supplier Device Package 4-UFBGA, WLCSP | Manufacturer Part Number | ADP172ACBZ-1.0-R7 | |
| PMC - Voltage Regulators - LinearPackage4.UFBGA, WLCSPSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)IVVoltage - Output (Max)-Voltage - Output (Max)-Voltage Dropout (Max)-Current - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)60µA ~ 0.26µAPSRR73dB ~ 47dB (1kHz ~ 100kHz)Control FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4.UFBGA, WLCSPSupplier Device Package4.WLCSP (0.95x1.03) | Manufacturer | Analog Devices Inc. | |
| Package4-UFBGA, WLCSPSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)IVVoltage - Output (Max)-Voltage - Output (Max)-Current - Output300mACurrent - Output60µA ~ 0.26µACurrent - Supply (Max)FablePostection FeaturesFableProtection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4.4VLCSP (0.95x1.03) | Category | Integrated Circuits (ICs) | |
| Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)IVVoltage - Output (Max)-Voltage - Output (Max)-Voltage Dropout (Max)-Current - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)60μA ~ 0.26μAPSRR73dB ~ 47dB (IkHz ~ 100kHz)Protection FeaturesGover Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature4.0°C ~ 125°CMounting TypeSurface MountPackage / Case4.4VLCSP (0.95x1.03) | | PMIC - Voltage Regulators - Linear | |
| Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)IVVoltage - Output (Max)-Voltage - Output (Max)-Voltage - Output (Max)300mACurrent - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)60µA ~ 0.26µAPSRR73dB ~ 47dB (1kHz ~ 100kHz)Protection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating TemperatureSurface MountPackage / Case4.UFBGA, WLCSPSupplier Device Package4.WLCSP (0.95x1.03) | Package | 4-UFBGA, WLCSP | |
| Output TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output300mACurrent - Quiescent (Iq)-GupA ~ 0.26µA30bmAPSRR73dB ~ 47dB (1kHz ~ 100kHz)Cortrol FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating TemperatureSurface MountiPackage / Case4.4UEBGA, WLCSPSupplier Device Package4.WLCSP (0.95x1.03) | Series | - | |
| Number of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)60µA ~ 0.26µAPSRR73dB ~ 47dB (1kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature4-0°C ~ 125°CMounting TypeSurface MountPackage / Case4-WLCSP (0.95x1.03) | Output Configuration | Positive | |
| Voltage - Input (Max) 3.6V Voltage - Output (Min/Fixed) 1V Voltage - Output (Max) - Voltage Dropout (Max) - Current - Output 300mA Current - Quiescent (Iq) - Current - Supply (Max) 60μA ~ 0.26μA PSRR 73dB ~ 47dB (1kHz ~ 100kHz) Control Features Enable Protection Features Over Temperature, Short Circuit, Under Voltage Lockout (UVLO) Operating Temperature 4-0°C ~ 125°C Mounting Type Surface Mount Package / Case 4-UFBGA, WLCSP Supplier Device Package 4-WLCSP (0.95x1.03) | Output Type | Fixed | |
| Voltage - Output (Min/Fixed)IVVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)60μA ~ 0.26μAPSRR73dB ~ 47dB (1kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating TemperatureSurface MountPackage / Case4-UFBGA, WLCSPSupplier Device Package4-WLCSP (0.95x1.03) | Number of Regulators | 1 | |
| Voltage - Output (Max)-Voltage Dropout (Max)-Current - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)60μA ~ 0.26μAPSRR73dB ~ 47dB (1kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating TemperatureSurface MountPackage / Case4-UFBGA, WLCSPSupplier Device Package4-WLCSP (0.95x1.03) | Voltage - Input (Max) | 3.6V | |
| Voltage Dropout (Max)-Current - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)60μA ~ 0.26μAPSRR73dB ~ 47dB (1kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UFBGA, WLCSPSupplier Device Package4-WLCSP (0.95x1.03) | Voltage - Output (Min/Fixed) | 1V | |
| Current - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)60μA ~ 0.26μAPSRR73dB ~ 47dB (1kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UFBGA, WLCSPSupplier Device Package4-WLCSP (0.95x1.03) | Voltage - Output (Max) | - | |
| Current - Quiescent (Iq)-Current - Supply (Max)60μA ~ 0.26μAPSRR73dB ~ 47dB (1kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UFBGA, WLCSPSupplier Device Package4-WLCSP (0.95x1.03) | Voltage Dropout (Max) | - | |
| Current - Supply (Max)60μA ~ 0.26μAPSRR73dB ~ 47dB (1kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UFBGA, WLCSPSupplier Device Package4-WLCSP (0.95x1.03) | Current - Output | 300mA | |
| PSRR73dB ~ 47dB (1kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UFBGA, WLCSPSupplier Device Package4-WLCSP (0.95x1.03) | Current - Quiescent (Iq) | - | |
| Control FeaturesEnableProtection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UFBGA, WLCSPSupplier Device Package4-WLCSP (0.95x1.03) | Current - Supply (Max) | 60µA ~ 0.26µA | |
| Protection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UFBGA, WLCSPSupplier Device Package4-WLCSP (0.95x1.03) | PSRR | 73dB ~ 47dB (1kHz ~ 100kHz) | |
| Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UFBGA, WLCSPSupplier Device Package4-WLCSP (0.95x1.03) | Control Features | Enable | |
| Mounting TypeSurface MountPackage / Case4-UFBGA, WLCSPSupplier Device Package4-WLCSP (0.95x1.03) | Protection Features | Over Temperature, Short Circuit, Under Voltage Lockout (UVLO) | |
| Package / Case4-UFBGA, WLCSPSupplier Device Package4-WLCSP (0.95x1.03) | Operating Temperature | $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ | |
| Supplier Device Package4-WLCSP (0.95x1.03) | Mounting Type | Surface Mount | |
| | Package / Case | 4-UFBGA, WLCSP | |
| Report errors? | Supplier Device Package | 4-WLCSP (0.95x1.03) | |
| | | | Report errors? |

ADP172ACBZ-1.0-R7 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.

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ADP172ACBZ-1.0-R7 Payment Methods



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