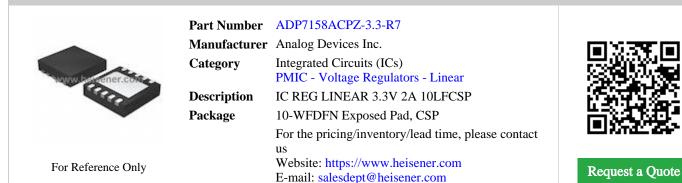


## ADP7158ACPZ-3.3-R7

#### ADP7158ACPZ-3.3-R7 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.



#### ADP7158ACPZ-3.3-R7 Specifications

| ManufacturerAnalog Devices Inc.CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackageIo-WFDFN Exposed Pad, CSPSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Max)-Voltage - Output (Max)0.28V @ 2ACurrent - OutputSindCurrent - OutputSindCurrent - OutputSindCurrent - Supply (Max)SodB (1kHz ~ 1MHz)Control FeaturesGover Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-UFCSP-WD (3x3)   |                              |  |                |
|--|------------------------------|--|----------------|
| Action Integrated Circuits (ICs)   PMIC - Voltage Regulators - Linear   Package 10-WFDFN Exposed Pad, CSP   Series -   Output Configuration Positive   Output Type Fixed   Number of Regulators 1   Voltage - Input (Max) 5.5V   Voltage - Output (Min/Fixed) 3.3V   Voltage - Output (Max) -   Voltage Doupout (Max) 0.28V @ 2A   Current - Output 2A   Current - Quiescent (Iq) -   Current - Supply (Max) 8mA ~ 14mA   PSRR 70dB ~ 50dB (1kHz ~ 1MHz)   Control Features Over Current, Over Temperature, Under Voltage Lockout (UVLO)   Operating Temperature 40°C ~ 125°C   Mounting Type Surface Mount   Package / Case 10-WFDFN Exposed Pad, CSP   Supplier Device Package 10-WFDFN Exposed Pad, CSP | Manufacturer Part Number     | ADP7158ACPZ-3.3-R7   |                |
| PMIC - Voltage Regulators - LinearPackage10-WFDFN Exposed Pad, CSPSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage - Output (Max)0.28V @ 2ACurrent - Output2ACurrent - Quiescent (Iq)-Current - Supply (Max)8mA ~ 14mAPSRR70dB ~ 50dB (1kHz ~ 1MHz)Control FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)  | Manufacturer                 | Analog Devices Inc.  |                |
| Package10-WFDFN Exposed Pad, CSPSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage - Output (Max)-Voltage - Output (Max)-Voltage - Output (Max)-Voltage Dropout (Max)0.28V @ 2ACurrent - Output2ACurrent - Quiescent (Iq)-Voltage Totput (Max)StodB (1kHz ~ 1MHz)Control FeaturesFoableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)   | Category                     | Integrated Circuits (ICs)                                    |                |
| Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage - Output (Max)0.28V @ 2ACurrent - Output2ACurrent - Quiescent (Iq)-Current - Supply (Max)8mA ~ 14mAPSRR70dB ~ 50dB (1kHz ~ 1MHz)Control FeaturesGover Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-LFCSP-WD (3x3)   |                              | PMIC - Voltage Regulators - Linear                           |                |
| Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage - Output (Max)0.28V @ 2ACurrent - Output2ACurrent - Quiescent (Iq)-Current - Supply (Max)8mA ~ 14mAPSRR70dB ~ 50dB (1kHz ~ 1MHz)Control FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature4.0°C ~ 125°CMounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)   | Package                      | 10-WFDFN Exposed Pad, CSP                                    |                |
| Private of Regulators Fixed   Number of Regulators 1   Voltage - Input (Max) 5.5V   Voltage - Output (Min/Fixed) 3.3V   Voltage - Output (Max) -   Voltage Dropout (Max) 0.28V @ 2A   Current - Output 2A   Current - Quiescent (Iq) -   Current - Supply (Max) 8mA ~ 14mA   PSRR 70dB ~ 50dB (1kHz ~ 1MHz)   Control Features Over Current, Over Temperature, Under Voltage Lockout (UVLO)   Operating Temperature Surface Mount   PAckage / Case 10-WFDFN Exposed Pad, CSP   Supplier Device Package 10-LFCSP-WD (3x3)   | Series                       | -  |                |
| Number of Regulators1Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.28V @ 2ACurrent - Output2ACurrent - Quiescent (Iq)-Current - Supply (Max)8mA ~ 14mAPSRR70dB ~ 50dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-LFCSP-WD (3x3)  | Output Configuration         | Positive   |                |
| Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.28V @ 2ACurrent - Output2ACurrent - Quiescent (Iq)-Current - Supply (Max)8mA ~ 14mAPSRR70dB ~ 50dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-LFCSP-WD (3x3)  | Output Type                  | Fixed  |                |
| Voltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.28V @ 2ACurrent - Output2ACurrent - Quiescent (Iq)-Current - Supply (Max)8mA ~ 14mAPSRR70dB ~ 50dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)   | Number of Regulators         | 1  |                |
| Voltage - Output (Max)-Voltage Dropout (Max)0.28V @ 2ACurrent - Output2ACurrent - Quiescent (Iq)-Current - Supply (Max)8mA ~ 14mAPSRR70dB ~ 50dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating TemperatureSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)   | Voltage - Input (Max)        | 5.5V   |                |
| Voltage Dropout (Max)0.28V @ 2ACurrent - Output2ACurrent - Quiescent (Iq)-Current - Supply (Max)8mA ~ 14mAPSRR70dB ~ 50dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)  | Voltage - Output (Min/Fixed) | 3.3V   |                |
| Current - Output2ACurrent - Quiescent (Iq)-Current - Supply (Max)8mA ~ 14mAPSRR70dB ~ 50dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)   | Voltage - Output (Max)       | -  |                |
| Current - Quiescent (Iq)-Current - Supply (Max)8mA ~ 14mAPSRR70dB ~ 50dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)   | Voltage Dropout (Max)        | 0.28V @ 2A   |                |
| Current - Supply (Max)8mA ~ 14mAPSRR70dB ~ 50dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)  | Current - Output             | 2A   |                |
| PSRR70dB ~ 50dB (1kHz ~ 1MHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)  | Current - Quiescent (Iq)     | -  |                |
| Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)   | Current - Supply (Max)       | 8mA ~ 14mA   |                |
| Protection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)   | PSRR                         | 70dB ~ 50dB (1kHz ~ 1MHz)                                    |                |
| Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)  | Control Features             | Enable   |                |
| Mounting TypeSurface MountPackage / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)  | Protection Features          | Over Current, Over Temperature, Under Voltage Lockout (UVLO) |                |
| Package / Case10-WFDFN Exposed Pad, CSPSupplier Device Package10-LFCSP-WD (3x3)  | Operating Temperature        | $-40^{\circ}C \sim 125^{\circ}C$                             |                |
| Supplier Device Package 10-LFCSP-WD (3x3)  | Mounting Type                | Surface Mount  |                |
|  | Package / Case               | 10-WFDFN Exposed Pad, CSP                                    |                |
| Report errors?   | Supplier Device Package      | 10-LFCSP-WD (3x3)  |                |
|  |                              |  | Report errors? |

#### ADP7158ACPZ-3.3-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 BUARANTEE

#### Service Guarantees

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

DISCOVER

#### ADP7158ACPZ-3.3-R7 Payment Methods



#### ADP7158ACPZ-3.3-R7 Shipping Methods



If you have any question about ADP7158ACPZ-3.3-R7, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com