

# LTC2415CGN#PBF

#### LTC2415CGN#PBF Information

| - United and       | Manufacturer<br>Category | LTC2415CGN#PBF<br>Linear Technology<br>Integrated Circuits (ICs)<br>Data Acquisition - Analog to Digital Converters<br>(ADC) |                 |
|--------------------|--------------------------|--|-----------------|
|                    | Description              | IC A/D CONV 24BIT MICRPWR 16SSOP   | <b>EX. 5</b> 40 |
| •                  | Package                  | 16-SSOP (0.154", 3.90mm Width)   | 回びを巡            |
| Ear Deferring Only |                          | For the pricing/inventory/lead time, please contact  |                 |
| For Reference Only |                          | Website: https://www.heisener.com  | Request a Quote |
|                    |                          | E-mail: salesdept@heisener.com   |                 |

# **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.



# LTC2415CGN#PBF Specifications

| Manufacturer Linear Technology   Manufacturer Linear Technology   Category Integrated Circuits (ICS)   Data Acquisition - Analog to Digital Converters (ADC)   Package 16-SSOP (0.154", 3.90mm Width)   Series microPOWER?   Number of Bits 24   Sampling Rate (Per Second) 15   Number of Inputs 1   Input Type Differential   Data Interface SPI   Configuration ADC   Ratio - S/H: ADC -   Number of A/D Converters 1   Architecture Sigma-Delta   Reference Type External   Voltage - Supply, Analog 2.7 V ~ 5.5 V   Voltage - Supply, Digital 2.7 V ~ 5.5 V   Features -   Operating Temperature 0°C ~ 70°C   Package / Case 16-SSOP (0.154", 3.90mm Width)   |                            |   |
|--|----------------------------|---|
| CategoryIntegrated Circuits (ICs)Data Acquisition - Analog to Digital Converters (ADC)Package16-SSOP (0.154", 3.90mm Width)SeriesmicroPOWER?Number of Bits24Sampling Rate (Per Second)15Number of Inputs1Input TypeDifferentialData InterfaceSPIConfigurationADCNumber of A/D Converters1ArchitectureSigma-DeltaReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital-Operating Temperatureo°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-SSOPMounting Type-   | Manufacturer Part Number   | LTC2415CGN#PBF  |
| Data Acquisition - Analog to Digital Converters (ADC)Package16-SSOP (0.154", 3.90mm Width)SeriesmicroPOWER?Number of Bits24Sampling Rate (Per Second)15Number of Inputs1Input TypeDifferentialData InterfaceSPIConfigurationADCRatio - S/H:ADC-Number of A/D Converters1ArchitectureSigma-DeltaReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VFeatures-Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-SSOPMounting Type-   | Manufacturer               | Linear Technology                                     |
| Package16-SSOP (0.154", 3.90mm Width)SeriesmicroPOWER?Number of Bits24Sampling Rate (Per Second)15Number of Inputs1Input TypeDifferentialData InterfaceSPIConfigurationADCRatio - S/H:ADC-Number of A/D Converters1Reference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital-Peatures-Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package-Mounting Type-   | Category                   | Integrated Circuits (ICs)                             |
| NumbermicroPOWER?Number of Bits24Sampling Rate (Per Second)15Number of Inputs1Input TypeDifferentialData InterfaceSPIConfigurationADCRatio - S/H:ADC-Number of A/D Converters1Reference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital-Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package-Mounting Type-   |                            | Data Acquisition - Analog to Digital Converters (ADC) |
| Number of Bits24Sampling Rate (Per Second)15Number of Inputs1Input TypeDifferentialData InterfaceSPIConfigurationADCRatio - S/H: ADC-Number of A/D Converters1ArchitectureSigma-DeltaReference TypeExternalVoltag - Supply, Analog2.7 V ~ 5.5 VVoltag - Supply, Digital-Peatures-Operating Temperature0°C ~ 70°CPackage / Case16-SSOPMounting Type-Voltang Type-   | Package                    | 16-SSOP (0.154", 3.90mm Width)                        |
| Sampling Rate (Per Second)15Number of Inputs1Input TypeDifferentialData InterfaceSPIConfigurationADCRatio - S/H:ADC-Number of A/D Converters1ArchitectureSigma-DeltaReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital-Peatures-Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package-Mounting Type-  | Series                     | microPOWER?   |
| Number of InputsIInput TypeDifferentialData InterfaceSPIConfigurationADCRatio - S/H:ADC-Number of A/D ConvertersIArchitectureSigma-DeltaReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VFeatures-Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package-Mounting Type-  | Number of Bits             | 24  |
| Input TypeDifferentialData InterfaceSPIConfigurationADCRatio - S/H:ADC-Number of A/D Converters1ArchitectureSigma-DeltaReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital-Peatures-Operating Temperature0°C ~ 7°CPackage / Case16-SSOP (0.154", 3.90mm Width)Mounting Type-  | Sampling Rate (Per Second) | 15  |
| Part of the second se | Number of Inputs           | 1   |
| ConfigurationADCRatio - S/H:ADC-Number of A/D Converters1ArchitectureSigma-DeltaReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital-Peatures-Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Mounting Type-  | Input Type                 | Differential  |
| Ratio - S/H:ADC-Number of A/D Converters1ArchitectureSigma-DeltaArchitectureExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VFeatures-Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package-Mounting Type-  | Data Interface             | SPI   |
| Number of A/D Converters1ArchitectureSigma-DeltaArchitectureExternalReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VFeatures-Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package-Mounting Type-  | Configuration              | ADC   |
| ArchitectureSigma-DeltaReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VFeatures-Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package-Mounting Type-   | Ratio - S/H:ADC            | -   |
| Reference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VFeatures-Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-SSOPMounting Type-  | Number of A/D Converters   | 1   |
| Voltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VFeatures-Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-SSOPMounting Type-  | Architecture               | Sigma-Delta   |
| Voltage - Supply, Digital2.7 V ~ 5.5 VFeatures-Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-SSOPMounting Type-   | Reference Type             | External  |
| Features-Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-SSOPMounting Type-   | Voltage - Supply, Analog   | 2.7 V ~ 5.5 V   |
| Operating Temperature0°C ~ 70°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-SSOPMounting Type-  | Voltage - Supply, Digital  | 2.7 V ~ 5.5 V   |
| Package / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-SSOPMounting Type-   | Features                   | -   |
| Supplier Device Package16-SSOPMounting Type-   | Operating Temperature      | $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$           |
| Mounting Type -  | Package / Case             | 16-SSOP (0.154", 3.90mm Width)                        |
|  | Supplier Device Package    | 16-SSOP   |
| Report errors?   | Mounting Type              | -   |
|  |                            | Report errors?  |

#### LTC2415CGN#PBF 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.

### LTC2415CGN#PBF Payment Methods



# LTC2415CGN#PBF Shipping Methods



If you have any question about LTC2415CGN#PBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com