

# L6722

#### L6722 Information



For Reference Only

| Part Number  | L6722  |
|--------------|--|
| Manufacturer | STMicroelectronics   |
| Category     | Integrated Circuits (ICs)<br>PMIC - Voltage Regulators - DC DC Switching<br>Controllers  |
| Description  | IC REG CTRLR BUCK 36VFQFPN   |
| Package      | 36-VFQFN Exposed Pad   |
|              | For the pricing/inventory/lead time, please contact<br>us<br>Website: https://www.heisener.com<br>E-mail: salesdept@heisener.com |



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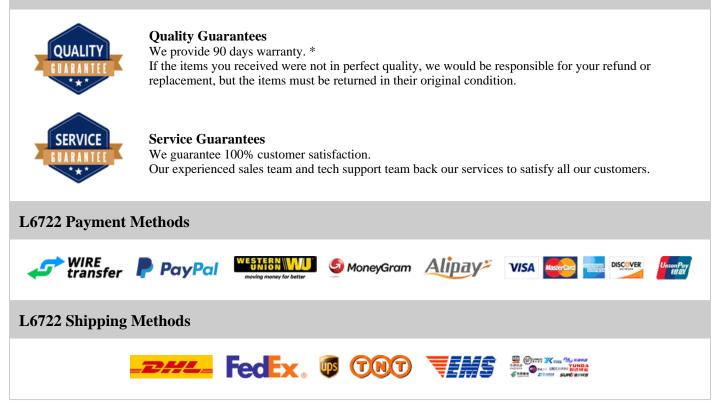
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## L6722 Specifications

| Manufacturer Part Number     L6722       Manufacturer     STMicroelectronics       Category     Integrated Circuits (ICs)       PARC - Voltage Regulators - DC DC Switching Controllers     PMIC - Voltage Regulators - DC DC Switching Controllers       Package     36-VFQFN Exposed Pad       Series     -       Output Type     Transistor Driver       Function     Step-Down       Output Configuration     Positive       Topology     Buck       Number of Outputs     3       Output Phases     3       Voltage - Supply (Vcc/Vdd)     7 V ~ 15 V       Frequency - Switching     100kHz       Duty Cycle (Max)     S%       Synchronous Rectifier     Yes       Clock Sync     No       Serial Interfaces     -       Outport Features     Frequency Control, Phase Control, Power Good       Operating Temperature     40°C ~ 125°C (TJ)       Package / Case     36-VFQFPN Exposed Pad       Supplier Device Package     36-VFQFPN Exposed Pad | •                          |   |
|--|----------------------------|---|
| CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage36-VFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationBuckYoubge of Outputs3Output Phases3Voltage - Supply (Vcc/Vdd)7 V ~ 15 VFrequency - Switching100kHzSynchronous RectifierYesClock SyncNoSerial Interfaces-Output Faces-Output Faces-Output Faces-Sprial Therfaces-Output Faces-Output Faces-Output Faces-Output Faces-Output Faces-Sprial Therfaces-Output Faces-Output Faces-<   | Manufacturer Part Number   | L6722   |
| PMIC - Voltage Regulators - DC DC Switching ControllersPackage36-VFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs3Output Phases3Voltage - Supply (Vcc/Vdd)7 V ~ 15 VFrequency - Switching100kHzDuty Cycle (Max)80%Synchronous RectifierYesClock Sync-Control Features-Output Frequency Control, Phase Control, Power GoodOperating Temperature40°C ~ 125°C (TJ)Package / Case36-VFQFN (6x6)  | Manufacturer               | STMicroelectronics                                      |
| Package36-VFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs3Output Phases3Voltage - Supply (Vcc/Vdd)7 V ~ 15 VFrequency - Switching100kHzDuty Cycle (Max)80%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesFrequency Control, Phase Control, Power GoodOperating Temperature40°C ~ 125°C (TJ)Package / Case3e-VFQFN (6x6)  | Category                   | Integrated Circuits (ICs)                               |
| Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs3Output Phases3Voltage - Supply (Vcc/Vdd)7 V ~ 15 VFrequency - Switching100kHzDuty Cycle (Max)80%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control Features40°C ~ 125°C (TJ)Package / Case36-VFQFPN (6x6)Supplier Device Package36-VFQFPN (6x6)   |                            | PMIC - Voltage Regulators - DC DC Switching Controllers |
| Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs3Output Phases3Output Synchrolup7 V ~ 15 VFrequency - Switching100kHzDuty Cycle (Max)SesSynchronous RectifierYesClock SyncNoSerial Interfaces-Output Frequency Control, Phase Control, Power GoodOperating Temperature40°C ~ 125°C (TJ)Package / CaseSerVEQFN (6x6)  | Package                    | 36-VFQFN Exposed Pad                                    |
| Function     Step-Down       Output Configuration     Positive       Topology     Buck       Number of Outputs     3       Output Phases     3       Output Phases     3       Voltage - Supply (Vcc/Vdd)     7 V ~ 15 V       Frequency - Switching     100kHz       Duty Cycle (Max)     80%       Synchronous Rectifier     Ves       Clock Sync     No       Serial Interfaces     -       Operating Temperature     -40°C ~ 125°C (TJ)       Package / Case     36-VFQFN (6x6)  | Series                     | -   |
| Output ConfigurationPositiveTopologyBuckNumber of Outputs3Output Phases3Voltage - Supply (Vcc/Vdd)7 V ~ 15 VFrequency - Switching100kHzDuty Cycle (Max)80%Synchronous RectifierYesClock SyncNoSerial Interfaces-Output FeaturesFrequency - Control, Phase Control, Power GoodOperating Temperature40°C ~ 125°C (TJ)Package / Case36-VFQFPN (6x6)   | Output Type                | Transistor Driver                                       |
| TopologyBuckNumber of Outputs3Output Phases3Voltage - Supply (Vcc/Vdd)7 V ~ 15 VFrequency - Switching100kHzDuty Cycle (Max)80%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesFrequency Control, Phase Control, Power GoodOperating Temperature40°C ~ 125°C (TJ)Package / Case36-VFQFPN (6x6)  | Function                   | Step-Down   |
| Number of Outputs3Output Phases3Voltage - Supply (Vcc/Vdd)7 V ~ 15 VFrequency - Switching100kHzDuty Cycle (Max)80%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesFrequency Control, Phase Control, Power GoodOperating Temperature-40°C ~ 125°C (TJ)Package / Case36-VFQFPN (6x6)   | Output Configuration       | Positive  |
| Output Phases3Voltage - Supply (Vcc/Vdd)7 V ~ 15 VFrequency - Switching100kHzDuty Cycle (Max)80%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesFrequency Control, Phase Control, Power GoodOperating Temperature-40°C ~ 125°C (TJ)Package / Case36-VFQFN Exposed PadSupplier Device Package36-VFQFN (6x6)   | Topology                   | Buck  |
| Voltage - Supply (Vcc/Vdd)7 V ~ 15 VFrequency - Switching100kHzDuty Cycle (Max)80%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesFrequency Control, Phase Control, Power GoodOperating Temperature-40°C ~ 125°C (TJ)Package / Case36-VFQFN Exposed PadSupplier Device Package36-VFQFPN (6x6)  | Number of Outputs          | 3   |
| Frequency - Switching100kHzDuty Cycle (Max)80%Synchronous RectifierYesClock SyncNoClock Sync-Serial Interfaces-Control FeaturesFrequency Control, Phase Control, Power GoodOperating Temperature40°C ~ 125°C (TJ)Package / Case36-VFQFN Exposed PadSupplier Device Package36-VFQFN (6x6)   | Output Phases              | 3   |
| Duty Cycle (Max)80%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesFrequency Control, Phase Control, Power GoodOperating Temperature-40°C ~ 125°C (TJ)Package / Case36-VFQFN Exposed PadSupplier Device Package36-VFQFPN (6x6)   | Voltage - Supply (Vcc/Vdd) | 7 V ~ 15 V  |
| Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesFrequency Control, Phase Control, Power GoodOperating Temperature-40°C ~ 125°C (TJ)Package / Case36-VFQFN Exposed PadSupplier Device Package36-VFQFN (6x6)   | Frequency - Switching      | 100kHz  |
| Clock SyncNoSerial Interfaces-Control FeaturesFrequency Control, Phase Control, Power GoodOperating Temperature-40°C ~ 125°C (TJ)Package / Case36-VFQFN Exposed PadSupplier Device Package36-VFQFN (6x6)   | Duty Cycle (Max)           | 80%   |
| Serial Interfaces-Control FeaturesFrequency Control, Phase Control, Power GoodOperating Temperature-40°C ~ 125°C (TJ)Package / Case36-VFQFN Exposed PadSupplier Device Package36-VFQFN (6x6)   | Synchronous Rectifier      | Yes   |
| Control FeaturesFrequency Control, Phase Control, Power GoodOperating Temperature-40°C ~ 125°C (TJ)Package / Case36-VFQFN Exposed PadSupplier Device Package36-VFQFN (6x6)   | Clock Sync                 | No  |
| Operating Temperature-40°C ~ 125°C (TJ)Package / Case36-VFQFN Exposed PadSupplier Device Package36-VFQFPN (6x6)  | Serial Interfaces          | -   |
| Package / Case36-VFQFN Exposed PadSupplier Device Package36-VFQFPN (6x6)   | Control Features           | Frequency Control, Phase Control, Power Good            |
| Supplier Device Package 36-VFQFPN (6x6)  | Operating Temperature      | -40°C ~ 125°C (TJ)                                      |
|  | Package / Case             | 36-VFQFN Exposed Pad                                    |
| Report errors?   | Supplier Device Package    | 36-VFQFPN (6x6)   |
|  |                            | Report errors?  |

#### L6722 Guarantees



If you have any question about L6722, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com