

LM536005QDSXTQ1

LM536005QDSXTQ1 Information

| | PMIC - Voltage Regulators - DC DC Switching Regulators ption IC REG BUCK 5V 0.65A SYNC | |
|--------------------|---|-----------------|
| For Reference Only | For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com | Request a Quote |

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LM536005QDSXTQ1 Specifications

| Manufacturer Part Number LM536005QDSXTQ1 Manufacturer Texas Instruments Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Regulators PMIC - Voltage Regulators - DC DC Switching Regulators Package 10-WFDFN Exposed Pad Series Automotive, AEC-Q100 Function Step-Down Output Configuration Positive Topology Buck Output Type Fixed Number of Outputs 1 Voltage - Input (Min) 3.8V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Current - Output 650mA Frequency - Switching 2.1MHz Synchronous Rectifier 40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 10-WFDFN Exposed Pad <th></th> <th></th> | | |
|--|------------------------------|--|
| CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DS witching RegulatorsPackage10-WFDFN Exposed PadSeriesAutonotive, AEC-Q100FunctionStep-DownOutput ConfigurationStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage Input (Min)36VVoltage Output (Min/Fixed)5VVoltage Output (Min/Fixed)5VVoltage Output (Min/Fixed)60mAFrequency - Switching2.1MHzSynchronous Rectifier9kOperating Temperature4.0°C ~ 150°C (TJ)Mouting Type0.4WFDFN Exposed PadSupplier Device Package1.0WSDN (333) | Manufacturer Part Number | LM536005QDSXTQ1 |
| PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage10-WFDFN Exposed PadSeriesAutomotive, AEC-Q100FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)38VVoltage - Output (Min/Fixed)5VVoltage - Output (Min/Fixed)5VVoltage - Output (Min/Fixed)60mAFrequency - Switching2.1MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 150°C (TJ)Mounting Type5.0WICS (Stal)Package / Case10-WSDN (3x3) | Manufacturer | Texas Instruments |
| Package10-WFDFN Exposed PadSeriesAutomotive, AEC-Q100FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Input (Max)5VVoltage - Output (Max)-Current - Output50mAFrequency - Switching2.1MHzSynchronous RectifierYesOperating Temperature6V° < 150°C (TJ) | Category | Integrated Circuits (ICs) |
| SeriesAutomotive, AEC-Q100FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Output (Min/Fixed)5VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)650mAFrequency - Switching2.1MHzSynchronous RectifierYesOutputing TypeSurface MountMounting TypeSurface MountPockage / Case10-WSDN (3x3) | | PMIC - Voltage Regulators - DC DC Switching Regulators |
| FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Input (Min/Fixed)5VVoltage - Output (Min/Fixed)5VVoltage - Output (Min/Fixed)650mACurrent - Output650mAFrequency - Switching2.1MHzSynchronous Rectifier40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WFDFN Exposed PadSupplier Device Package10-WSDN (3x3) | Package | 10-WFDFN Exposed Pad |
| Output ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Input (Max)36VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Current - Output650mAFrequency - Switching2.1MHzSynchronous RectifierYesOperating Temperature40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WFDFN Exposed PadSynchronous Package10-WSON (3x3) | Series | Automotive, AEC-Q100 |
| TopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Input (Max)36VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Current - Output650mAFrequency - Switching2.1MHzSynchronous RectifierYesOperating Temperature40°C ~ 150°C (TJ)Mounting Type5UPackage / Case10-WFDFN Exposed PadSupplier Device Package10-WSON (3x3) | Function | Step-Down |
| Number of Output TypeFixedNumber of Outputs1Voltage - Input (Min)3.8VVoltage - Input (Max)36VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Current - Output650mAFrequency - Switching2.1MHzSynchronous RectifierYesOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeIo-WFDFN Exposed PadPackage / Case10-WFDFN Exposed PadSupplier Device Package10-WSON (3x3) | Output Configuration | Positive |
| Number of Outputs1Voltage - Input (Min)3.8VVoltage - Input (Max)36VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Current - Output650mAFrequency - Switching2.1MHzSynchronous RectifierYesOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WFDFN Exposed PadSupplier Device Package10-WSON (3x3) | Topology | Buck |
| Voltage - Input (Min)3.8VVoltage - Input (Max)36VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Current - Output650mAFrequency - Switching2.1MHzSynchronous RectifierYesOperating Temperature-40°C ~ 150°C (TJ)Mounting Type10-WFDFN Exposed PadPackage / Case10-WFDFN Exposed PadSupplier Device Package10-WSON (3x3) | Output Type | Fixed |
| Voltage - Input (Max)36VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Current - Output650mAFrequency - Switching2.1MHzSynchronous RectifierYesOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WFDFN Exposed PadSupplier Device Package10-WSON (3x3) | Number of Outputs | 1 |
| Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Current - Output 650mA Frequency - Switching 2.1MHz Synchronous Rectifier Yes Operating Temperature -40°C ~150°C (TJ) Mounting Type Surface Mount Package / Case 10-WFDFN Exposed Pad Supplier Device Package 10-WSON (3x3) | Voltage - Input (Min) | 3.8V |
| Voltage - Output (Max)-Current - Output650mAFrequency - Switching2.1MHzSynchronous RectifierYesOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WFDFN Exposed PadSupplier Device Package10-WSON (3x3) | Voltage - Input (Max) | 36V |
| Current - Output650mAFrequency - Switching2.1MHzSynchronous RectifierYesOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WFDFN Exposed PadSupplier Device Package10-WSON (3x3) | Voltage - Output (Min/Fixed) | 5V |
| Frequency - Switching2.1MHzSynchronous RectifierYesOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WFDFN Exposed PadSupplier Device Package10-WSON (3x3) | Voltage - Output (Max) | - |
| Synchronous RectifierYesOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WFDFN Exposed PadSupplier Device Package10-WSON (3x3) | Current - Output | 650mA |
| Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WFDFN Exposed PadSupplier Device Package10-WSON (3x3) | Frequency - Switching | 2.1MHz |
| Mounting TypeSurface MountPackage / Case10-WFDFN Exposed PadSupplier Device Package10-WSON (3x3) | Synchronous Rectifier | Yes |
| Package / Case10-WFDFN Exposed PadSupplier Device Package10-WSON (3x3) | Operating Temperature | -40°C ~ 150°C (TJ) |
| Supplier Device Package10-WSON (3x3) | Mounting Type | Surface Mount |
| | Package / Case | 10-WFDFN Exposed Pad |
| Report errors' | Supplier Device Package | 10-WSON (3x3) |
| | | Report errors? |

LM536005QDSXTQ1 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.

LM536005QDSXTQ1 Payment Methods



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