



MKV10Z32VFM7R Information

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Part Number MKV10Z32VFM7R

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

Description KINETIS KV10: 75MHZ CORTEX-M0+ R

32-VFQFN Exposed Pad **Package**

For the pricing/inventory/lead time, please contact

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E-mail: salesdept@heisener.com



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MKV10Z32VFM7R Specifications

Manufacturer Part Number MKV10Z32VFM7R Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 32-VFQFN Exposed Pad Series Kinetis KV Core Processor ARM® Cortex®-M0+ Core Size 32-Bit Speed 75MHz Connectivity PC, SPI, UART/USART Peripherals DMA, WDT Number of I/O 28 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 16x12b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad		
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Series Kinetis KV Core Processor ARM® Cortex®-M0+ Core Size 32-Bit Speed 75MHz Connectivity PC, SPI, UART/USART Peripherals DMA, WDT Number of I/O 28 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 16x12b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad		Embedded - Microcontrollers
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Speed75MHzConnectivityIPC, SPI, UART/USARTPeripheralsDMA, WDTNumber of I/O28Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-VFQFN Exposed Pad	Core Processor	ARM® Cortex®-M0+
Connectivity Peripherals DMA, WDT Number of I/O 28 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 16x12b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Package / Case Package / Case DMA, WDT 28 32KB (32K x 8) FLASH FLASH FLASH	Core Size	32-Bit
Peripherals Number of I/O 28 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 16x12b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Package / Case 32-VFQFN Exposed Pad	Speed	75MHz
Number of I/O 28 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 16x12b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad	Connectivity	I ² C, SPI, UART/USART
Program Memory Size Program Memory Type FLASH EEPROM Size RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 16x12b, D/A 1x12b Oscillator Type Internal Operating Temperature Package / Case 32-VFQFN Exposed Pad	Peripherals	DMA, WDT
Program Memory Type EEPROM Size RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 16x12b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad	Number of I/O	28
EEPROM Size - 8K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 16x12b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad	Program Memory Size	32KB (32K x 8)
RAM Size Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 16x12b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-VFQFN Exposed Pad	EEPROM Size	-
Data ConvertersA/D 16x12b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-VFQFN Exposed Pad	RAM Size	8K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad	Data Converters	A/D 16x12b, D/A 1x12b
Mounting Type - Package / Case - 32-VFQFN Exposed Pad	Oscillator Type	Internal
Package / Case 32-VFQFN Exposed Pad	Operating Temperature	-40°C ~ 105°C (TA)
	Mounting Type	-
Supplier Daviga Packaga 32 OFN	Package / Case	32-VFQFN Exposed Pad
Supplier Device rackage 52-QFN	Supplier Device Package	32-QFN
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MKV10Z32VFM7R Shipping Methods













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