



MCP4921T-E/MC Information



For Reference Only

Part Number MCP4921T-E/MC
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

DescriptionDAC 12BIT SGL SPI 8DFN**Package**8-VFDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



Request a Quote

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.









MCP4921T-E/MC Specifications

Manufacturer Part NumberMCP4921T-E/MCManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Data Acquisition - Digital to Analog Converters (DAC)Package8-VFDFN Exposed PadSeries-Number of Bits12Number of D/A Converters1Settling Time4.5µs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±4, ±0.25ArchitectureString DACOperating Temperature-40°C ~ 125°CPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)Mounting Type-		
Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 8-VFDFN Exposed Pad Series - Number of Bits 12 Number of D/A Converters 1 Settling Time 4.5µs (Typ) Output Type Voltage - Buffered Differential Output No Data Interface SPI Reference Type External Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) ±4, ±0.25 Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3) Mounting Type -	Manufacturer Part Number	MCP4921T-E/MC
Data Acquisition - Digital to Analog Converters (DAC) Package 8-VFDFN Exposed Pad Series - Number of Bits 12 Number of D/A Converters 1 Settling Time 4.5µs (Typ) Output Type Voltage - Buffered Differential Output No Data Interface SPI Reference Type External Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) ±4, ±0.25 Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3) Mounting Type -	Manufacturer	Microchip Technology
Package 8-VFDFN Exposed Pad Series - Number of Bits 12 Number of D/A Converters 1 Settling Time 4.5µs (Typ) Output Type Voltage - Buffered Differential Output No Data Interface SPI Reference Type External Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) ±4, ±0.25 Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3) Mounting Type -	Category	Integrated Circuits (ICs)
Series - Number of Bits 12 Number of D/A Converters 1 Settling Time 4.5μs (Typ) Output Type Voltage - Buffered Differential Output No Data Interface SPI Reference Type External Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) ±4, ±0.25 Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3) Mounting Type -		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits 12 Number of D/A Converters 1 Settling Time 4.5µs (Typ) Output Type Voltage - Buffered Differential Output No Data Interface SPI Reference Type External Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) 44, ±0.25 Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 8-VFDFN Exposed Pad Supplier Device Package Mounting Type - 1 12 12 13 14 15 15 16 17 17 18 19 19 19 10 10 10 10 10 10 10	Package	8-VFDFN Exposed Pad
Number of D/A Converters Settling Time 4.5µs (Typ) Output Type Voltage - Buffered Differential Output No Data Interface SPI Reference Type External Voltage - Supply, Analog Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) ±4, ±0.25 Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case S-VFDFN Exposed Pad Supplier Device Package Mounting Type -40°C ~ 100000000000000000000000000000000000	Series	-
Settling Time4.5μs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±4, ±0.25ArchitectureString DACOperating Temperature-40°C ~ 125°CPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)Mounting Type-	Number of Bits	12
Output Type Differential Output No Data Interface SPI Reference Type External Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital INL/DNL (LSB) Architecture Operating Temperature Package / Case 8-VFDFN Exposed Pad Supplier Device Package Mounting Type Voltage - Buffered No String DAC - 40°C ~ 125°C 8-DFN (2x3) Mounting Type	Number of D/A Converters	1
Differential Output Data Interface Reference Type External Voltage - Supply, Analog Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) 44, ±0.25 Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3) Mounting Type - No String DAC -40°C ~ 125°C	Settling Time	4.5µs (Typ)
Data Interface SPI Reference Type External Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) ±4, ±0.25 Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3) Mounting Type -	Output Type	Voltage - Buffered
Reference TypeExternalVoltage - Supply, Analog $2.7 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 4, \pm 0.25$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $8\text{-VFDFN Exposed Pad}$ Supplier Device Package $8\text{-DFN } (2x3)$ Mounting Type $-$	Differential Output	No
Voltage - Supply, Analog $2.7 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 4, \pm 0.25$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $8\text{-VFDFN Exposed Pad}$ Supplier Device Package $8\text{-DFN } (2x3)$ Mounting Type-	Data Interface	SPI
Voltage - Supply, Digital $2.7 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 4, \pm 0.25$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)Mounting Type-	Reference Type	External
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Voltage - Supply, Analog	2.7 V ~ 5.5 V
Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3) Mounting Type -	Voltage - Supply, Digital	2.7 V ~ 5.5 V
Operating Temperature -40°C ~ 125°C Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3) Mounting Type -	INL/DNL (LSB)	$\pm 4, \pm 0.25$
Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3) Mounting Type -	Architecture	String DAC
Supplier Device Package 8-DFN (2x3) Mounting Type -	Operating Temperature	-40°C ~ 125°C
Mounting Type -	Package / Case	8-VFDFN Exposed Pad
	Supplier Device Package	8-DFN (2x3)
Report errors?	Mounting Type	-
		Report errors?

MCP4921T-E/MC 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.

MCP4921T-E/MC Payment Methods

































If you have any question about MCP4921T-E/MC, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com