

MCP4822-E/SN

MCP4822-E/SN Information

www.mesener.com		MCP4822-E/SN Microchip Technology Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC)	
	Description	IC DAC 12BIT DUAL W/SPI 8SOIC	
	Package	8-SOIC (0.154", 3.90mm Width)	ា 🖬 រិះវិតិម៉ឺម៉ី។
For Reference Only		For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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MCP4822-E/SN Specifications

Manufacturer Part Number MCP4822-E/SN Manufacturer Microchip Technology Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Data Acquisition - Digital to Analog Converters (DAC) Package 8-SOIC (0.154", 3.90mm Width) Series - Number of Bits 12 Number of D/A Converters 2 Settling Time 4.5µs (Typ) Output Type Voltage - Buffered Differential Output No Data Acquisition - Disital to Analog Converters (DAC) 2 Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V Voltage - Supply, Digital 4.4 ± 0.25 Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC Mounting Type -		
CategoryIntegrated Circuits (ICs)Data Acquisition - Digital to Analog Converters (DAC)Package8-SOIC (0.154", 3.90mm Width)Series-Number of Bits12Number of D/A Converters2Settling Time4.5µs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeInternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VArchitectureString DACOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package-Mounting Type-	Manufacturer Part Number	MCP4822-E/SN
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Package8-SOIC (0.154", 3.90mm Width)Series-Number of Bits12Number of D/A Converters2Settling Time4.5µs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeInternalVoltage - 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-SOIC (0.154", 3.90mm Width)Supplier Device Package-Mounting Type-	Category	Integrated Circuits (ICs)
Series-Number of Bits12Number of D/A Converters2Settling Time4.5µs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIVoltage - 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.SOIC (0.154", 3.90mm Width)Supplier Device Package-Mounting Type-		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits12Number of D/A Converters2Settling Time4.5µs (Typ)Output TypeVoltage - BufferedOutput TypeNoData InterfaceSPIReference TypeInternalVoltage - 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-SOIC (0.154", 3.90mm Width)Munting Type-	Package	8-SOIC (0.154", 3.90mm Width)
Number of D/A Converters2Settling Time4.5µs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeInternalVoltage - 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-SOIC (0.154", 3.90mm Width)Supplier Device Package-	Series	-
Settling Time4.5µs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeInternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±4, ±0.25ArchitectureString DACOperating Temperature4-0°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package-Mounting Type-	Number of Bits	12
Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeInternalVoltage - 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-SOIC (0.154", 3.90mm Width)Supplier Device Package-Mounting Type-	Number of D/A Converters	2
Differential OutputNoData InterfaceSPIReference TypeInternalVoltage - 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-SOIC (0.154", 3.90mm Width)Supplier Device Package-	Settling Time	4.5μs (Typ)
Data InterfaceSPIReference TypeInternalVoltage - 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-SOIC (0.154", 3.90mm Width)Supplier Device Package-	Output Type	Voltage - Buffered
Reference TypeInternalReference TypeInternalVoltage - Supply, Analog $2.7 V \sim 5.5 V$ Voltage - Supply, Digital $2.7 V \sim 5.5 V$ INL/DNL (LSB) $\pm 4, \pm 0.25$ ArchitectureString DACOperating Temperature $-40^{\circ} C \sim 125^{\circ} C$ Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOICMounting Type-	Differential Output	No
Notice - SupplyAnalog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±4, ±0.25ArchitectureString DACOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOICMounting Type-	Data Interface	SPI
Voltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±4, ±0.25ArchitectureString DACOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOICMounting Type-	Reference Type	Internal
INL/DNL (LSB)±4, ±0.25ArchitectureString DACOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOICMounting Type-	Voltage - Supply, Analog	2.7 V ~ 5.5 V
ArchitectureString DACOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOICMounting Type-	Voltage - Supply, Digital	2.7 V ~ 5.5 V
Operating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOICMounting Type-	INL/DNL (LSB)	±4, ±0.25
Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOICMounting Type-	Architecture	String DAC
Supplier Device Package8-SOICMounting Type-	Operating Temperature	-40°C ~ 125°C
Mounting Type -	Package / Case	8-SOIC (0.154", 3.90mm Width)
	Supplier Device Package	8-SOIC
Report errors?	Mounting Type	-
		Report errors?

MCP4822-E/SN 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

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

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