



AD5312BRMZ Information



For Reference Only

Part Number AD5312BRMZ

Manufacturer Analog Devices Inc.

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

Description IC DAC 10BIT DUAL R-R 10-MSOP

Package 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)

For the pricing/inventory/lead time, please contact

us

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



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AD5312BRMZ Specifications

Manufacturer Part Number AD5312BRMZ Manufacturer Analog Devices Inc. Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Series - Number of Bits 10 Number of D/A Converters 2 Settling Time 9µs Output Type Voltage - Buffered Differential Output No Data Interface SPI, DSP Reference Type External Voltage - Supply, Analog 2.5 V ~ 5.5 V Voltage - Supply, Digital 2.5 V ~ 5.5 V INL/DNL (LSB) ±0.5, ±0.05 Architecture String DAC Operating Temperature -40°C ~ 105°C Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP Mounting Type Report errors?		
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Series-Number of Bits10Number of D/A Converters2Settling Time9μsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog $2.5 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.5 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.05$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width)Supplier Device Package10-MSOPMounting Type-		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits10Number of D/A Converters2Settling Time9μsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.5 V ~ 5.5 VVoltage - Supply, Digital2.5 V ~ 5.5 VINL/DNL (LSB)±0.5, ±0.05ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width)Supplier Device Package10-MSOPMounting Type-	Package	10-TFSOP, 10-MSOP (0.118", 3.00mm Width)
Number of D/A Converters2Settling Time $9\mu s$ Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog $2.5 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.5 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.05$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $10\text{-TFSOP}, 10\text{-MSOP} (0.118", 3.00\text{mm Width})$ Supplier Device Package 10-MSOP Mounting Type-	Series	-
Settling Time9μsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.5 V ~ 5.5 VVoltage - Supply, Digital2.5 V ~ 5.5 VINL/DNL (LSB)±0.5, ±0.05ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width)Supplier Device Package10-MSOPMounting Type-	Number of Bits	10
Output Type Differential Output No Data Interface SPI, DSP Reference Type External Voltage - Supply, Analog Voltage - Supply, Digital INL/DNL (LSB) Architecture Operating Temperature Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package Mounting Type Voltage - Buffered No String DAC - 105°C 10-MSOP Mounting Type	Number of D/A Converters	2
Differential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog $2.5 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.5 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.05$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $10\text{-TFSOP}, 10\text{-MSOP} (0.118", 3.00\text{mm Width})$ Supplier Device Package 10-MSOP Mounting Type $-$	Settling Time	9μs
Data InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog $2.5 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.5 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.05$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $10\text{-TFSOP}, 10\text{-MSOP} (0.118", 3.00 \text{mm Width})$ Supplier Device Package 10-MSOP Mounting Type-	Output Type	Voltage - Buffered
Reference TypeExternalVoltage - Supply, Analog $2.5 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.5 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.05$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case 10-TFSOP , 10-MSOP (0.118° , 3.00mm Width)Supplier Device Package 10-MSOP Mounting Type-	Differential Output	No
Voltage - Supply, Analog $2.5 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.5 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.05$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $10\text{-TFSOP}, 10\text{-MSOP}$ (0.118° , 3.00mm Width)Supplier Device Package 10-MSOP Mounting Type-	Data Interface	SPI, DSP
Voltage - Supply, Digital 2.5 V \sim 5.5 V INL/DNL (LSB) \pm 0.5, \pm 0.05 Architecture String DAC Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP Mounting Type $-$	Reference Type	External
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Voltage - Supply, Analog	2.5 V ~ 5.5 V
Architecture String DAC Operating Temperature -40°C ~ 105°C Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP Mounting Type -	Voltage - Supply, Digital	2.5 V ~ 5.5 V
Operating Temperature -40°C ~ 105°C Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP Mounting Type -	INL/DNL (LSB)	$\pm 0.5, \pm 0.05$
Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP Mounting Type -	Architecture	String DAC
Supplier Device Package 10-MSOP Mounting Type -	Operating Temperature	-40°C ~ 105°C
Mounting Type -	Package / Case	10-TFSOP, 10-MSOP (0.118", 3.00mm Width)
	Supplier Device Package	10-MSOP
Report errors?	Mounting Type	-
Table 1		Report errors?

AD5312BRMZ 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.

AD5312BRMZ Payment Methods



















AD5312BRMZ Shipping Methods













If you have any question about AD5312BRMZ, please do not hesitate to contact us!

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