

DAC8501E/250G4

DAC8501E/250G4 Information

ware nel sene rem		DAC8501E/250G4 Texas Instruments Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) IC D/A CONV LP 16-BIT 8VSSOP	
Suco	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	MARKE
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DAC8501E/250G4 Specifications

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Data Acquisition - Digital to Analog Converters (DAC)Package&-TSSOP, &-MSOP (0.118", 3.00mm Width)Series-Number of Bits16Number of D/A Converters1Settling Time10µsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VNut/DNL (LSB)-, ±1 (Max)ArchitectureString DACOperating Temperature40°C ~ 105°CPackage / Case&-YSSOPSupplier Device Package&-YSSOP		
CategoryIntegrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC)Package&-TSSOP, &-MSOP (0.118", 3.00mm Width)Series-Number of Bits16Number of D/A Converters1Setting Time10µsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference Type2.7 V ~ 5.5 VVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VNurbertorString DACOperating Temperature40°C ~ 105°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package-Mounting TypeMounting Type-	Manufacturer Part Number	DAC8501E/250G4
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Package8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Series-Number of Bits16Number of D/A Converters1Settling Time10µsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)-, ±1 (Max)ArchitectureString DACOperating Temperature40°C ~ 105°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package-Mounting Type-	Category	Integrated Circuits (ICs)
Series-Number of Bits16Number of D/A Converters1Settling Time10µsOutput TypeVoltage - BufferedOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital., ±1 (Max)ArchitectureString DACOperating Temperature40°C ~ 105°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Mounting Type.		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits16Number of D/A Converters1Settling Time10µsOutput TypeVoltage - BufferedOutput TypeNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)-,±1 (Max)Operating Temperature40°C ~ 105°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package-	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Number of D/A Converters1Settling Time10µsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital., ±1 (Max)ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case8-VSSOP (0.118", 3.00mm Width)Supplier Device Package.Mounting Type-	Series	-
Settling Time10µsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)-, ±1 (Max)ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package-Mounting Type-	Number of Bits	16
Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VVoltage - Supply, Digital-, ±1 (Max)INL/DNL (LSB)-, ±1 (Max)Operating Temperature-40°C ~ 105°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package-Mounting Type-	Number of D/A Converters	1
Differential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)-, ±1 (Max)ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOPMounting Type-	Settling Time	10µs
Data InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)-, ±1 (Max)ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package-Mounting Type-	Output Type	Voltage - Buffered
Reference TypeExternalVoltage - Supply, Analog $2.7 V \sim 5.5 V$ Voltage - Supply, Digital $2.7 V \sim 5.5 V$ INL/DNL (LSB) $-, \pm 1 (Max)$ ArchitectureString DACOperating Temperature $-40^{\circ} C \sim 105^{\circ} C$ Package / Case $8-TSSOP, 8-MSOP (0.118", 3.00mm Width)$ Supplier Device Package $8-VSSOP$ Mounting Type $-$	Differential Output	No
Notice of perInternationVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)-, ±1 (Max)ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOPMounting Type-	Data Interface	SPI, DSP
Voltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)-, ±1 (Max)ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOPMounting Type-	Reference Type	External
INL/DNL (LSB)-,±1 (Max)ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOPMounting Type-	Voltage - Supply, Analog	2.7 V ~ 5.5 V
ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOPMounting Type-	Voltage - Supply, Digital	2.7 V ~ 5.5 V
Operating Temperature-40°C ~ 105°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOPMounting Type-	INL/DNL (LSB)	-, ±1 (Max)
Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOPMounting Type-	Architecture	String DAC
Supplier Device Package 8-VSSOP Mounting Type -	Operating Temperature	$-40^{\circ}\mathrm{C} \sim 105^{\circ}\mathrm{C}$
Mounting Type -	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
	Supplier Device Package	8-VSSOP
Report errors?	Mounting Type	-
		Report errors?

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