

# TLV5624IDGK

### **TLV5624IDGK Information**

Werentielsenerem RRR		TLV5624IDGK Texas Instruments Integrated Circuits (ICs)
	Category	Data Acquisition - Digital to Analog Converters (DAC)
	Description	IC 8BIT 1.0-3.5US DAC S/O 8VSSOP
	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
For Reference Only		For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com



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# **TLV5624IDGK Specifications**

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Data Acquisition - Digital to Analog Converters (DAC)Package8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Series-Number of Bits8Number of D/A Converters1Settling Time7µsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference Type2.7 V ~ 3.3 V, 5VVoltage - Supply, Analog2.7 V ~ 3.3 V, 5VVoltage - Supply, Digital4.0 (2 ~ 85°C)Architecture6.4 (SSOP, 8-MSOP (0.118", 3.00mm Width)Operating Temperature8-VSSOPPackage / Case8-VSSOP				
CategoryIntegrated Circuits (ICs)Data Acquisition - Digital to Analog Converters (DAC)Package8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Series-Number of Bits8Number of D/A Converters1Settling Time7µsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog2.7 V ~ 3.3 V, 5VVoltage - Supply, Digital2.7 V ~ 3.3 V, 5VArchitectureString DACOperating Temperature-40°C ~ 85°CPackage / Case8.VSSOP	Manufacturer Part Number	TLV5624IDGK		
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Package8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Series-Number of Bits8Number of D/A Converters1Settling Time7µsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog2.7 V ~ 3.3 V, 5VVoltage - Supply, Digital2.7 V ~ 3.3 V, 5VINL/DNL (LSB)±0.3, ±0.07ArchitectureString DACOperating Temperature-40°C ~ 85°CPackage / Case8-VSSOPSupplier Device Package8-VSSOP	Category	Integrated Circuits (ICs)		
Series -   Number of Bits 8   Number of D/A Converters 1   Settling Time 7µs   Output Type Voltage - Buffered   Differential Output No   Data Interface SPI   Reference Type External, Internal   Voltage - Supply, Analog 2.7 V ~ 3.3 V, 5V   Voltage - Supply, Digital 2.7 V ~ 3.3 V, 5V   INL/DNL (LSB) ±0.3, ±0.07   Architecture String DAC   Operating Temperature -40°C ~ 85°C   Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)   Supplier Device Package 8-VSSOP		Data Acquisition - Digital to Analog Converters (DAC)		
Number of Bits8Number of D/A Converters1Settling Time7µsOutput TypeVoltage - BufferedOutput TypeNoData InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog2.7 V ~ 3.3 V, 5VVoltage - Supply, Digital±0.3, ±0.07ArchitectureString DACOperating Temperature-40°C ~ 85°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)		
Number of D/A Converters1Settling Time7µsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog2.7 V ~ 3.3 V, 5VVoltage - Supply, Digital2.7 V ~ 3.3 V, 5VINL/DNL (LSB)4.03, ±0.07ArchitectureString DACOperating Temperature4.0°C ~ 85°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOP	Series	-		
Settling Time7µsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog2.7 V ~ 3.3 V, 5VVoltage - Supply, Digital2.7 V ~ 3.3 V, 5VINL/DNL (LSB)±0.3, ±0.07ArchitectureString DACOperating Temperature-40°C ~ 85°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOP	Number of Bits	8		
Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog $2.7 V ~ 3.3 V, 5V$ Voltage - Supply, Digital $2.7 V ~ 3.3 V, 5V$ INL/DNL (LSB) $\pm 0.3, \pm 0.07$ ArchitectureString DACOperating Temperature $-40^{\circ}C ~ 85^{\circ}C$ Package / Case $8-TSSOP, 8-MSOP (0.118", 3.00mm Width)$	Number of D/A Converters	1		
Differential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog $2.7 V ~ 3.3 V, 5V$ Voltage - Supply, Digital $2.7 V ~ 3.3 V, 5V$ INL/DNL (LSB) $\pm 0.3, \pm 0.07$ ArchitectureString DACOperating Temperature $-40^{\circ}C ~ 85^{\circ}C$ Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOP	Settling Time	7μs		
Data InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog $2.7 V ~ 3.3 V, 5V$ Voltage - Supply, Digital $2.7 V ~ 3.3 V, 5V$ Voltage - Supply, Digital $40.3, \pm 0.07$ ArchitectureString DACOperating Temperature $-40^{\circ}C ~ 85^{\circ}C$ Package / Case $8-TSSOP, 8-MSOP (0.118", 3.00mm Width)$ Supplier Device Package $8-VSSOP$	Output Type	Voltage - Buffered		
Reference TypeExternal, InternalVoltage - Supply, Analog $2.7 V ~ 3.3 V, 5V$ Voltage - Supply, Digital $2.7 V ~ 3.3 V, 5V$ Voltage - Supply, Digital $2.7 V ~ 3.3 V, 5V$ INL/DNL (LSB) $\pm 0.3, \pm 0.07$ ArchitectureString DACOperating Temperature $-40^{\circ}C ~ 85^{\circ}C$ Package / Case $8$ -TSSOP, $8$ -MSOP (0.118", 3.00mm Width)Supplier Device Package $8$ -VSSOP	Differential Output	No		
Voltage - Supply, Analog2.7 V ~ 3.3 V, 5VVoltage - Supply, Digital2.7 V ~ 3.3 V, 5VINL/DNL (LSB)±0.3, ±0.07ArchitectureString DACOperating Temperature-40°C ~ 85°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOP	Data Interface	SPI		
Voltage - Supply, Digital2.7 V ~ 3.3 V, 5VINL/DNL (LSB)±0.3, ±0.07ArchitectureString DACOperating Temperature-40°C ~ 85°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOP	Reference Type	External, Internal		
INL/DNL (LSB)±0.3, ±0.07ArchitectureString DACOperating Temperature-40°C ~ 85°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOP	Voltage - Supply, Analog	2.7 V ~ 3.3 V, 5V		
ArchitectureString DACOperating Temperature-40°C ~ 85°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOP	Voltage - Supply, Digital	2.7 V ~ 3.3 V, 5V		
Operating Temperature-40°C ~ 85°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOP	INL/DNL (LSB)	$\pm 0.3, \pm 0.07$		
Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-VSSOP	Architecture	String DAC		
Supplier Device Package 8-VSSOP	Operating Temperature	-40°C ~ 85°C		
	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)		
Mounting Type -	Supplier Device Package	8-VSSOP		
	Mounting Type	-		
Report errors?		Report errors?		

#### **TLV5624IDGK 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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