

# DAC1208D650HN-C18

### DAC1208D650HN-C18 Information



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**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.



# DAC1208D650HN-C18 Specifications

Manufacturer Part NumberDAC1208D650HN-C18ManufacturerIDT, Integrated Device Technology IncCategoryIntegrated Circuits (ICs)Data Acquisition - Digital to Analog Converters (DAC)Package64-VFQFN Exposed PadSeries-Number of Bits12Number of D/A Converters2Settling Time20ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceI.7 V ~ 1.9 V, 3.13 V ~ 3.47 VVoltage - Supply, Digital.17 V ~ 1.9 V, 3.13 V ~ 3.47 VVoltage - Supply, Digital-Oversampling Interpolating DACOversampling Interpolating DACOperating Temperature64-VFQFN Exposed PadSupplier Device Package64-VFQFN (sys)Munting Type-		
CategoryIntegrated Circuits (ICs)Data Acquisition - Digital to Analog Converters (DAC)Package64-VFQFN Exposed PadSeries-Number of Bits12Number of D/A Converters2Settling Time20ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceJESD204AReference TypeInternalVoltage - Supply, Analog1.7 V ~ 1.9 V, 3.13 V ~ 3.47 VVoltage - Supply, Digital-ArchitectureOversampling Interpolating DACOperating Temperature-40°C ~ 85°CPackage / Case64-VFQFN (Sys)Mounting Type-	Manufacturer Part Number	DAC1208D650HN-C18
Data Acquisition - Digital to Analog Converters (DAC)Package64-VFQFN Exposed PadSeries-Number of Bits12Number of D/A Converters2Settling Time20ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceIESD204AReference TypeInternalVoltage - Supply, Analog1.7 V ~ 1.9 V, 3.13 V ~ 3.47 VVoltage - Supply, Digital1.7 V ~ 1.9 VINL/DNL (LSB)-ArchitectureOversampling Interpolating DACOperating Temperature40°C ~ 85°CPackage / Case64-VFQFN (9x9)Mounting Type-	Manufacturer	IDT, Integrated Device Technology Inc
Package64-VFQFN Exposed PadSeries-Number of Bits12Number of D/A Converters2Settling Time20ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceIESD204AReference TypeInternalVoltage - Supply, Analog1.7 V ~ 1.9 V, 3.13 V ~ 3.47 VVoltage - Supply, Digital1.7 V ~ 1.9 VINL/DNL (LSB)-ArchitectureOversampling Interpolating DACOperating Temperature44°C ~ 85°CPackage / Case64-VFQFN (9x9)Mounting Type-	Category	Integrated Circuits (ICs)
Series-Number of Bits12Number of D/A Converters2Settling Time20ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceJESD204AReference TypeInternalVoltage - Supply, Analog1.7 V ~ 1.9 V, 3.13 V ~ 3.47 VVoltage - Supply, Digital1.7 V ~ 1.9 VINL/DNL (LSB)-ArchitectureOversampling Interpolating DACOperating Temperature40°C ~ 85°CPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VFQFN (9x9)Mounting Type-		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits12Number of D/A Converters2Settling Time20ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceJESD204AReference TypeInternalVoltage - Supply, Analog1.7 V ~ 1.9 V, 3.13 V ~ 3.47 VVoltage - Supply, Digital.INL/DNL (LSB)-ArchitectureOversampling Interpolating DACOperating Temperature44º°C ~ 85°CPackage / Case64-VFQFPN (9x9)Mounting Type-	Package	64-VFQFN Exposed Pad
Number of D/A Converters2Settling Time20ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceJESD204AReference TypeInternalVoltage - Supply, Analog1.7 V ~ 1.9 V, 3.13 V ~ 3.47 VVoltage - Supply, Digital1.7 V ~ 1.9 VINL/DNL (LSB)-ArchitectureOversampling Interpolating DACOperating Temperature44ºC ~ 85°CPackage / Case64-VFQFN (9x9)Mounting Type-	Series	-
Settling Time20ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceJESD204AReference TypeInternalVoltage - Supply, Analog1.7 V ~ 1.9 V, 3.13 V ~ 3.47 VVoltage - Supply, Digital1.7 V ~ 1.9 VNL/DNL (LSB)-ArchitectureOversampling Interpolating DACOperating Temperature64-VFQFN Exposed PadSupplier Device Package64-VFQFN (9x9)Mounting Type-	Number of Bits	12
Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceJESD204AReference TypeInternalVoltage - Supply, Analog1.7 V ~ 1.9 V, 3.13 V ~ 3.47 VVoltage - Supply, Digital1.7 V ~ 1.9 VINL/DNL (LSB)-ArchitectureOversampling Interpolating DACOperating Temperature64-VFQFN Exposed PadSupplier Device Package64-VFQFPN (9x9)Mounting Type-	Number of D/A Converters	2
InternalYesData InterfaceJESD204AReference TypeInternalVoltage - Supply, Analog1.7 V ~ 1.9 V, 3.13 V ~ 3.47 VVoltage - Supply, Digital1.7 V ~ 1.9 VINL/DNL (LSB)-ArchitectureOversampling Interpolating DACOperating Temperature-40°C ~ 85°CPackage / Case64-VFQFPN (9x9)Supplier Device Package64-VFQFPN (9x9)	Settling Time	20ns (Typ)
Data InterfaceJESD204AReference TypeInternalVoltage - Supply, Analog $1.7 V \sim 1.9 V, 3.13 V \sim 3.47 V$ Voltage - Supply, Digital $1.7 V \sim 1.9 V$ INL/DNL (LSB)-ArchitectureOversampling Interpolating DACOperating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Package / Case $64-VFQFN Exposed Pad$ Supplier Device Package $64-VFQFN (9x9)$	Output Type	Current - Unbuffered
Reference TypeInternalVoltage - Supply, Analog $1.7$ V ~ $1.9$ V, $3.13$ V ~ $3.47$ VVoltage - Supply, Digital $1.7$ V ~ $1.9$ VINL/DNL (LSB)-ArchitectureOversampling Interpolating DACOperating Temperature $-40^{\circ}$ C ~ $85^{\circ}$ CPackage / Case64-VFQFN Exposed PadSupplier Device Package $-40^{\circ}$ C PPN (9x9)Mounting Type-	Differential Output	Yes
Yoltage - Supply, Analog1.7 V ~ 1.9 V, 3.13 V ~ 3.47 VVoltage - Supply, Digital1.7 V ~ 1.9 VINL/DNL (LSB)-ArchitectureOversampling Interpolating DACOperating Temperature-40°C ~ 85°CPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VFQFN (9x9)Mounting Type-	Data Interface	JESD204A
Voltage - Supply, Digital1.7 V ~ 1.9 VINL/DNL (LSB)-ArchitectureOversampling Interpolating DACOperating Temperature-40°C ~ 85°CPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VFQFPN (9x9)Mounting Type-	Reference Type	Internal
INPY 20INL/DNL (LSB)-ArchitectureOversampling Interpolating DACOperating Temperature-40°C ~ 85°CPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VFQFN (9x9)Mounting Type-	Voltage - Supply, Analog	1.7 V ~ 1.9 V, 3.13 V ~ 3.47 V
ArchitectureOversampling Interpolating DACOperating Temperature-40°C ~ 85°CPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VFQFPN (9x9)Mounting Type-	Voltage - Supply, Digital	1.7 V ~ 1.9 V
Operating Temperature-40°C ~ 85°CPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VFQFN (9x9)Mounting Type-	INL/DNL (LSB)	-
Package / Case64-VFQFN Exposed PadSupplier Device Package64-VFQFPN (9x9)Mounting Type-	Architecture	Oversampling Interpolating DAC
Supplier Device Package 64-VFQFPN (9x9)   Mounting Type -	Operating Temperature	-40°C ~ 85°C
Mounting Type -	Package / Case	64-VFQFN Exposed Pad
	Supplier Device Package	64-VFQFPN (9x9)
Report errors?	Mounting Type	-
		Report errors

# DAC1208D650HN-C18 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.

### DAC1208D650HN-C18 Payment Methods



If you have any question about DAC1208D650HN-C18, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com