



HI1178JCQ Information

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Part Number HI1178JCQ
Manufacturer Intersil

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

Description CONV D/A 8BIT TRPL 40MHZ 48QFP

Package 48-BQFP

For the pricing/inventory/lead time, please contact

us

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HI1178JCQ Specifications

Manufacturer Part Number HII178JCQ Manufacturer Intersil Category Integrated Circuits (ICs) Package 48-BQFP Series - Number of Bits 8 Number of D/A Converters 3 Settling Time - Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External Voltage - Supply, Analog 5V Voltage - Supply, Digital 5V NIL/DNL (LSB) ±2.5 (Max), ±0.3 (Max) Architecture - Operating Temperature -40°C ~ 85°C Package / Case 48-BQFP Supplier Device Package 48-MQFP (12x12) Mounting Type -		
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Series - Number of Bits 8 Number of D/A Converters 3 Settling Time - Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External Voltage - Supply, Analog 5V Voltage - Supply, Digital 5V INL/DNL (LSB) ±2.5 (Max), ±0.3 (Max) Architecture - Operating Temperature -40°C ~ 85°C Package / Case 48-BQFP Supplier Device Package 48-MQFP (12x12) Mounting Type -		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits Number of D/A Converters Settling Time - Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External Voltage - Supply, Analog Voltage - Supply, Digital SV INL/DNL (LSB) 42.5 (Max), ±0.3 (Max) Architecture Operating Temperature -40°C ~ 85°C Package / Case Supplier Device Package Mounting Type - Settling Time -Current - Unbuffered External August - Current - Unbuffered - Wes - Wes	Package	48-BQFP
Number of D/A Converters3Settling Time-Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±2.5 (Max), ±0.3 (Max)Architecture-Operating Temperature-40°C ~ 85°CPackage / Case48-BQFPSupplier Device Package48-MQFP (12x12)Mounting Type-	Series	-
Settling Time - Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External Voltage - Supply, Analog 5V Voltage - Supply, Digital 5V INL/DNL (LSB) ±2.5 (Max), ±0.3 (Max) Architecture - 40°C ~ 85°C Package / Case 48-BQFP Supplier Device Package 48-MQFP (12x12) Mounting Type -	Number of Bits	8
Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±2.5 (Max), ±0.3 (Max)Architecture-Operating Temperature-40°C ~ 85°CPackage / Case48-BQFPSupplier Device Package48-MQFP (12x12)Mounting Type-	Number of D/A Converters	3
Differential Output Parallel Reference Type External Voltage - Supply, Analog Voltage - Supply, Digital INL/DNL (LSB) Architecture Operating Temperature -40°C ~ 85°C Package / Case 48-BQFP Supplier Device Package Mounting Type Yes External 5V Location 5V Voltage - Supply, Digital 5V Location 5V Analog 6V Analog 6V Analog 42.5 (Max), ±0.3 (Max) Architecture -40°C ~ 85°C Analog 48-BQFP Supplier Device Package 48-MQFP (12x12) Mounting Type -	Settling Time	-
Data InterfaceParallelReference TypeExternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±2.5 (Max), ±0.3 (Max)Architecture-Operating Temperature-40°C ~ 85°CPackage / Case48-BQFPSupplier Device Package48-MQFP (12x12)Mounting Type-	Output Type	Current - Unbuffered
Reference Type External Voltage - Supply, Analog 5V Voltage - Supply, Digital 5V INL/DNL (LSB) ±2.5 (Max), ±0.3 (Max) Architecture - Operating Temperature -40°C ~ 85°C Package / Case 48-BQFP Supplier Device Package 48-MQFP (12x12) Mounting Type -	Differential Output	Yes
Voltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±2.5 (Max), ±0.3 (Max)Architecture-Operating Temperature-40°C ~ 85°CPackage / Case48-BQFPSupplier Device Package48-MQFP (12x12)Mounting Type-	Data Interface	Parallel
Voltage - Supply, Digital $5V$ INL/DNL (LSB) $\pm 2.5 (Max), \pm 0.3 (Max)$ Architecture-Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 48-BQFP Supplier Device Package $48\text{-MQFP} (12x12)$ Mounting Type-	Reference Type	External
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Architecture-Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 48-BQFP Supplier Device Package $48\text{-MQFP} (12x12)$ Mounting Type-	Voltage - Supply, Digital	5V
Operating Temperature -40°C ~ 85°C Package / Case 48-BQFP Supplier Device Package 48-MQFP (12x12) Mounting Type -	INL/DNL (LSB)	$\pm 2.5 \text{ (Max)}, \pm 0.3 \text{ (Max)}$
Package / Case 48-BQFP Supplier Device Package 48-MQFP (12x12) Mounting Type -	Architecture	-
Supplier Device Package 48-MQFP (12x12) Mounting Type -	Operating Temperature	-40°C ~ 85°C
Mounting Type -	Package / Case	48-BQFP
	Supplier Device Package	48-MQFP (12x12)
Report errors?	Mounting Type	-
		Report errors?

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Quality Guarantees

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HI1178JCQ Shipping Methods













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