



# **HI1178JCQ Information**

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For Reference Only

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

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



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## **Certified Quality**

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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         -		
Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           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           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         -	Manufacturer Part Number	HI1178JCQ
Package48-BQFPSeries-Number of Bits8Number 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-	Manufacturer	Intersil
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           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         -	Category	Integrated Circuits (ICs)
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 $48\text{-BQFP}$ Supplier Device Package $48\text{-MQFP}  (12x12)$ Mounting Type-	Reference Type	External
INL/DNL (LSB) $\pm 2.5$ (Max), $\pm 0.3$ (Max)  Architecture -40°C ~ 85°C  Package / Case 48-BQFP  Supplier Device Package 48-MQFP (12x12)  Mounting Type -	Voltage - Supply, Analog	5V
Architecture-Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $48\text{-BQFP}$ 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?

## **HI1178JCQ 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.

## **HI1178JCQ Payment Methods**



















## **HI1178JCQ Shipping Methods**













If you have any question about HI1178JCQ, please do not hesitate to contact us!

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