



### **MAX5122BEEE+T Information**



For Reference Only

Part Number MAX5122BEEE+T
Manufacturer Maxim Integrated
Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

**Description** IC DAC 12BIT LP 5V SER 16-QSOP **Package** 16-SSOP (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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## **MAX5122BEEE+T Specifications**

Manufacturer Part Number     MAX5122BEE+T       Manufacturer     Maxim Integrated       Category     Integrated Circuits (ICs)       Data Acquisition - Digital to Analog Converters (DAC)       Package     16-SSOP (0.154", 3.90mm Width)       Series     -       Number of Bits     12       Number of D/A Converters     1       Settling Time     20µs (Typ)       Output Type     Voltage - Buffered       Differential Output     No       Data Interface     SPI       Reference Type     External, Internal       Voltage - Supply, Analog     5V       Voltage - Supply, Digital     5V       NIL/DNL (LSB)     ±1 (Max), ±1 (Max)       Architecture     R-2R       Operating Temperature     -40°C ~ 85°C       Package / Case     16-SSOP (0.154", 3.90mm Width)       Supplier Device Package     16-QSOP       Mounting Type     -		
Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         16-SSOP (0.154", 3.90mm Width)           Series         -           Number of Bits         12           Number of D/A Converters         1           Settling Time         20μs (Typ)           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         SPI           Reference Type         External, Internal           Voltage - Supply, Analog         5V           Voltage - Supply, Digital         5V           INL/DNL (LSB)         ±1 (Max), ±1 (Max)           Architecture         R-2R           Operating Temperature         -40°C ~ 85°C           Package / Case         16-SSOP (0.154", 3.90mm Width)           Supplier Device Package         16-QSOP           Mounting Type         -	Manufacturer Part Number	MAX5122BEEE+T
Package 16-SSOP (0.154", 3.90mm Width)  Series - Number of Bits 12  Number of D/A Converters 1  Settling Time 20µs (Typ)  Output Type Voltage - Buffered  Differential Output No  Data Interface SPI  Reference Type External, Internal  Voltage - Supply, Analog 5V  Voltage - Supply, Digital 5V  INL/DNL (LSB) ±1 (Max), ±1 (Max)  Architecture R-2R  Operating Temperature +40°C ~ 85°C  Package / Case 16-SSOP (0.154", 3.90mm Width)  Supplier Device Package 16-QSOP  Mounting Type -	Manufacturer	Maxim Integrated
Package 16-SSOP (0.154", 3.90mm Width)  Series -  Number of Bits 12  Number of D/A Converters 1  Settling Time 20µs (Typ)  Output Type Voltage - Buffered  Differential Output No  Data Interface SPI  Reference Type External, Internal  Voltage - Supply, Analog 5V  Voltage - Supply, Digital 5V  INL/DNL (LSB) ±1 (Max), ±1 (Max)  Architecture R-2R  Operating Temperature #-40°C ~ 85°C  Package / Case 16-SSOP (0.154", 3.90mm Width)  Supplier Device Package Mounting Type -	Category	Integrated Circuits (ICs)
Series-Number of Bits12Number of D/A Converters1Settling Time20μs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±1 (Max), ±1 (Max)ArchitectureR-2ROperating Temperature-40°C ~ 85°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-QSOPMounting Type-		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits  12  Number of D/A Converters  1  Settling Time  20µs (Typ)  Output Type  Voltage - Buffered  Differential Output  No  Data Interface  SPI  Reference Type  External, Internal  Voltage - Supply, Analog  5V  Voltage - Supply, Digital  5V  INL/DNL (LSB)  ±1 (Max), ±1 (Max)  Architecture  R-2R  Operating Temperature  -40°C ~ 85°C  Package / Case  16-SSOP (0.154", 3.90mm Width)  Supplier Device Package  Mounting Type  -  1  1  1  1  1  1  1  1  1  1  1  1	Package	16-SSOP (0.154", 3.90mm Width)
Number of D/A Converters1Settling Time20μs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±1 (Max), ±1 (Max)ArchitectureR-2ROperating Temperature-40°C ~ 85°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-QSOPMounting Type-	Series	-
Settling Time 20µs (Typ)  Output Type Voltage - Buffered  Differential Output No  Data Interface SPI  Reference Type External, Internal  Voltage - Supply, Analog 5V  Voltage - Supply, Digital 5V  INL/DNL (LSB) ±1 (Max), ±1 (Max)  Architecture R-2R  Operating Temperature -40°C ~ 85°C  Package / Case 16-SSOP (0.154", 3.90mm Width)  Supplier Device Package Mounting Type -	Number of Bits	12
Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±1 (Max), ±1 (Max)ArchitectureR-2ROperating Temperature-40°C ~ 85°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-QSOPMounting Type-	Number of D/A Converters	1
Differential Output  Data Interface  SPI  Reference Type  External, Internal  Voltage - Supply, Analog  Voltage - Supply, Digital  SV  INL/DNL (LSB)  Architecture  R-2R  Operating Temperature  -40°C ~ 85°C  Package / Case  16-SSOP (0.154", 3.90mm Width)  Supplier Device Package  Mounting Type  -  No  External, Internal  SV  (Max)  5V  (Max)  -  10-SSOP  -  10-SSOP  -  10-SSOP  -  10-OSOP  Mounting Type  -  No  10-OSOP	Settling Time	20μs (Typ)
Data InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±1 (Max), ±1 (Max)ArchitectureR-2ROperating Temperature-40°C ~ 85°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-QSOPMounting Type-	Output Type	Voltage - Buffered
Reference Type  External, Internal  Voltage - Supply, Analog  5V  Voltage - Supply, Digital  5V  INL/DNL (LSB)  41 (Max), ±1 (Max)  Architecture  R-2R  Operating Temperature  -40°C ~ 85°C  Package / Case  16-SSOP (0.154", 3.90mm Width)  Supplier Device Package  Mounting Type  -	Differential Output	No
Voltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±1 (Max), ±1 (Max)ArchitectureR-2ROperating Temperature-40°C ~ 85°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-QSOPMounting Type-	Data Interface	SPI
Voltage - Supply, Digital $5V$ INL/DNL (LSB) $\pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ Architecture $R-2R$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $16\text{-SSOP (0.154", 3.90mm Width)}$ Supplier Device Package $16\text{-QSOP}$ Mounting Type-	Reference Type	External, Internal
$\begin{array}{lll} INL/DNL \ (LSB) & \pm 1 \ (Max), \pm 1 \ (Max) \\ Architecture & R-2R \\ Operating \ Temperature & -40^{\circ}C \sim 85^{\circ}C \\ Package \ / \ Case & 16-SSOP \ (0.154'', 3.90mm \ Width) \\ Supplier \ Device \ Package & 16-QSOP \\ Mounting \ Type & - \end{array}$	Voltage - Supply, Analog	5V
Architecture R-2R  Operating Temperature -40°C ~ 85°C  Package / Case 16-SSOP (0.154", 3.90mm Width)  Supplier Device Package 16-QSOP  Mounting Type -	Voltage - Supply, Digital	5V
Operating Temperature -40°C ~ 85°C  Package / Case 16-SSOP (0.154", 3.90mm Width)  Supplier Device Package 16-QSOP  Mounting Type -	INL/DNL (LSB)	$\pm 1$ (Max), $\pm 1$ (Max)
Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP Mounting Type -	Architecture	R-2R
Supplier Device Package 16-QSOP  Mounting Type -	Operating Temperature	-40°C ~ 85°C
Mounting Type -	Package / Case	16-SSOP (0.154", 3.90mm Width)
	Supplier Device Package	16-QSOP
Report errors?	Mounting Type	-
		Report errors?

#### **MAX5122BEEE+T 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.

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