



MAX541BESA+T Information



For Reference Only

Part Number MAX541BESA+T

Manufacturer Maxim Integrated

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

Description IC DAC 16BIT SER/VOLT I/O 8-SOIC

Package 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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MAX541BESA+T Specifications

Manufacturer Part NumberMAX541BESA+TManufacturerMaxim IntegratedCategoryIntegrated Circuits (ICs)Package8-SOIC (0.154", 3.90mm Width)Series-Number of Bits16Number of D/A Converters1Settling Time1μs (Typ)Output TypeVoltage - UnbufferedDifferential OutputNoData InterfaceSPIReference TypeExternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±0.5, ±0.5ArchitectureR-2ROperating Temperature-40°C ~ 85°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOICMounting Type-Report errors?		
Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 8-SOIC (0.154", 3.90mm Width) Series - Number of Bits 16 Number of D/A Converters 1 Settling Time 1μs (Typ) Output Type Voltage - Unbuffered Differential Output No Data Interface SPI Reference Type External Voltage - Supply, Analog 5V Voltage - Supply, Digital 5V INL/DNL (LSB) ±0.5, ±0.5 Architecture R-2R Operating Temperature -40°C ~ 85°C Package / Case 8-SOIC (0.154", 3.90mm Width) Mounting Type -	Manufacturer Part Number	MAX541BESA+T
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Settling Time1μs (Typ)Output TypeVoltage - UnbufferedDifferential OutputNoData InterfaceSPIReference TypeExternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±0.5, ±0.5ArchitectureR-2ROperating Temperature-40°C ~ 85°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOICMounting Type-	Number of Bits	16
Output TypeVoltage - UnbufferedDifferential OutputNoData InterfaceSPIReference TypeExternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±0.5, ±0.5ArchitectureR-2ROperating Temperature-40°C ~ 85°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOICMounting Type-	Number of D/A Converters	1
Differential Output Data Interface SPI Reference Type External Voltage - Supply, Analog Voltage - Supply, Digital INL/DNL (LSB) Architecture Operating Temperature -40°C ~ 85°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package Mounting Type - No Syp External 5V Color External 5V SV SV SV SV SV SV SV SV SV	Settling Time	1μs (Typ)
Data Interface SPI Reference Type External Voltage - Supply, Analog 5V Voltage - Supply, Digital 5V INL/DNL (LSB) ±0.5, ±0.5 Architecture R-2R Operating Temperature -40°C ~ 85°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC Mounting Type -	Output Type	Voltage - Unbuffered
Reference Type External Voltage - Supply, Analog Voltage - Supply, Digital 5V INL/DNL (LSB) 40.5, ±0.5 Architecture R-2R Operating Temperature -40°C ~ 85°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package Mounting Type -	Differential Output	No
Voltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureR-2ROperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOICMounting Type-	Data Interface	SPI
Voltage - Supply, Digital5V INL/DNL (LSB) $\pm 0.5, \pm 0.5$ Architecture $R-2R$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Package / Case $8-SOIC$ (0.154", 3.90mm Width)Supplier Device Package $8-SOIC$ Mounting Type-	Reference Type	External
INL/DNL (LSB) $\pm 0.5, \pm 0.5$ Architecture R-2R Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Voltage - Supply, Analog	5V
Architecture R-2R Operating Temperature -40°C ~ 85°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC Mounting Type -	Voltage - Supply, Digital	5V
Operating Temperature -40°C ~ 85°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC Mounting Type -	INL/DNL (LSB)	$\pm 0.5, \pm 0.5$
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC Mounting Type -	Architecture	R-2R
Supplier Device Package 8-SOIC Mounting Type -	Operating Temperature	-40°C ~ 85°C
Mounting Type -	Package / Case	8-SOIC (0.154", 3.90mm Width)
	Supplier Device Package	8-SOIC
Report errors?	Mounting Type	-
		Report errors?

MAX541BESA+T Guarantees



Quality Guarantees

We provide 90 days warranty. *

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Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

MAX541BESA+T Payment Methods



















MAX541BESA+T Shipping Methods













If you have any question about MAX541BESA+T, please do not hesitate to contact us!

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