



### **TMP421YZDT Information**



For Reference Only

Part Number TMP421YZDT
Manufacturer Texas Instruments
Category Sensors, Transducers

Temperature Sensors, Transducers

**Description** SENSOR TEMPERATURE SMBUS 8DSBGA

Package 8-UFBGA, DSBGA

For the pricing/inventory/lead time, please contact

us

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



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## **TMP421YZDT Specifications**

Manufacturer Part Number       TMP421YZDT         Manufacturer       Texas Instruments         Category       Sensors, Transducers         Package       8-UFBGA, DSBGA         Series       -         Sensor Type       Digital, Local/Remote         Sensing Temperature - Local       -40°C ~ 125°C         Sensing Temperature - Remote       -64°C ~ 191°C         Output Type       SMBus         Voltage - Supply       2.7 V ~ 5.5 V         Resolution       11 b         Features       One-Shot, Output Switch, Programmable Limit, Shutdown Mode         Accuracy - Highest (Lowest)       ±1.5°C (±2.5°C)         Test Condition       15°C ~ 85°C (-40°C ~ 125°C)         Operating Temperature       -40°C ~ 125°C         Mounting Type       Surface Mount         Package / Case       8-UFBGA, DSBGA         Supplier Device Package       8-DSBGA (2.3x1.3)	*		
Category  Sensors, Transducers  Temperature Sensors, Transducers  8-UFBGA, DSBGA  Series  - Sensor Type  Digital, Local/Remote  Sensing Temperature - Local  Sensing Temperature - Remote  -64°C ~ 125°C  Sensing Type  SMBus  Voltage - Supply  2.7 V ~ 5.5 V  Resolution  11 b  Features  One-Shot, Output Switch, Programmable Limit, Shutdown Mode  Accuracy - Highest (Lowest)  15°C ~ 85°C (-40°C ~ 125°C)  Test Condition  15°C ~ 85°C (-40°C ~ 125°C)  Operating Temperature  Mounting Type  Surface Mount  Package / Case  8-UFBGA, DSBGA  Supplier Device Package  8-DSBGA (2.3x1.3)	Manufacturer Part Number	TMP421YZDT	
Temperature Sensors, Transducers  8-UFBGA, DSBGA  Series  - Sensor Type Digital, Local/Remote Sensing Temperature - Local -40°C ~ 125°C Sensing Temperature - Remote -64°C ~ 191°C Output Type SMBus Voltage - Supply 2.7 V ~ 5.5 V  Resolution 11 b  Features One-Shot, Output Switch, Programmable Limit, Shutdown Mode Accuracy - Highest (Lowest) ±1.5°C (±2.5°C) Test Condition 15°C ~ 85°C (-40°C ~ 125°C) Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-UFBGA, DSBGA Supplier Device Package 8-DSBGA (2.3x1.3)	Manufacturer	Texas Instruments	
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Sensing Temperature - Local $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Sensing Temperature - Remote $-64^{\circ}\text{C} \sim 191^{\circ}\text{C}$ Output Type SMBus  Voltage - Supply $2.7 \text{ V} \sim 5.5 \text{ V}$ Resolution $11 \text{ b}$ Features One-Shot, Output Switch, Programmable Limit, Shutdown Mode $\pm 1.5^{\circ}\text{C} (\pm 2.5^{\circ}\text{C})$ Test Condition $15^{\circ}\text{C} \sim 85^{\circ}\text{C} (-40^{\circ}\text{C} \sim 125^{\circ}\text{C})$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount $\pm 1.5^{\circ}\text{C} = 125^{\circ}\text{C}$ Supplier Device Package $\pm 1.5^{\circ}\text{C} = 125^{\circ}\text{C}$	Series	-	
Sensing Temperature - Remote $-64^{\circ}\text{C} \sim 191^{\circ}\text{C}$ Output Type SMBus  Voltage - Supply $2.7 \text{ V} \sim 5.5 \text{ V}$ Resolution $11 \text{ b}$ Features One-Shot, Output Switch, Programmable Limit, Shutdown Mode Accuracy - Highest (Lowest) $\pm 1.5^{\circ}\text{C} (\pm 2.5^{\circ}\text{C})$ Test Condition $15^{\circ}\text{C} \sim 85^{\circ}\text{C} (-40^{\circ}\text{C} \sim 125^{\circ}\text{C})$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case $8-\text{UFBGA}$ , DSBGA ( $2.3 \times 1.3$ )	Sensor Type	Digital, Local/Remote	
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Features One-Shot, Output Switch, Programmable Limit, Shutdown Mode $ \begin{array}{ll} & \\ \text{Accuracy - Highest (Lowest)} & \pm 1.5^{\circ}\text{C } (\pm 2.5^{\circ}\text{C}) \\ \text{Test Condition} & 15^{\circ}\text{C} \sim 85^{\circ}\text{C } (-40^{\circ}\text{C} \sim 125^{\circ}\text{C}) \\ \text{Operating Temperature} & -40^{\circ}\text{C} \sim 125^{\circ}\text{C} \\ \text{Mounting Type} & \text{Surface Mount} \\ \text{Package / Case} & 8-\text{UFBGA, DSBGA} \\ \text{Supplier Device Package} & 8-\text{DSBGA } (2.3x1.3) \\ \end{array} $	Voltage - Supply	2.7 V ~ 5.5 V	
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Supplier Device Package 8-DSBGA (2.3x1.3)	Mounting Type	Surface Mount	
	Package / Case	8-UFBGA, DSBGA	
Report errors?	Supplier Device Package	8-DSBGA (2.3x1.3)	
			Report errors?

#### **TMP421YZDT 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.

# **TMP421YZDT Payment Methods**



















## **TMP421YZDT Shipping Methods**













If you have any question about TMP421YZDT, please do not hesitate to contact us!

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