



Image may be representation.
See specifications for product details.



DS18S20Z

Manufacturer Part Number	DS18S20Z
Manufacturer	Maxim Integrated
Allelco Part Number	32D-DS18S20Z
ECAD Model	Request Free CAD Models
Parts Description	SENSOR DIGITAL -55C-125C 8SOIC
Package	8-SOIC (0.154', 3.90mm Width)
Data sheet	DS18S20 Datasheet.pdf

Get a Quote

DS18S20Z - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology DS18S20Z datasheet/specifications on AllelcoElec.com.
Request a quote for DS18S20Z, please send us email: info@allelco.com

Specifications

DS18S20Z Tech Specifications

DS18S20Z - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Package / Case	8-SOIC (0.154', 3.90mm Width)
Voltage - Supply	3V ~ 5.5V	Package	Tube
Test Condition	-10°C ~ 85°C (-55°C ~ 125°C)	Output Type	1-Wire®
Supplier Device Package	8-SOIC	Operating Temperature	-55°C ~ 125°C
Series	-	Mounting Type	Surface Mount
Sensor Type	Digital, Local	Features	Output Switch, Programmable Limit, Standby Mode
Sensing Temperature - Remote	-	Base Product Number	DS18S
Sensing Temperature - Local	-55°C ~ 125°C	Accuracy - Highest (Lowest)	±0.5°C (±2°C)
Resolution	9 b		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated DS18S20Z

Product Attribute				
Part Number	DS18S20Z	DS18S20+	DS18S20Z+	DS18B20Z+T&R
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Supplier Device Package	8-SOIC	TO-92-3	8-SOIC	8-SOIC
Base Product Number	DS18S	DS18S20	DS18S20	DS18B20
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Package / Case	8-SOIC (0.154', 3.90mm Width)	TO-226-3, TO-92-3 (TO-226AA)	8-SOIC (0.154', 3.90mm Width)	8-SOIC (0.154', 3.90mm Width)
Series	-	-	-	-
Operating Temperature	-55°C ~ 125°C	-55°C ~ 125°C	-55°C ~ 125°C	-55°C ~ 125°C
Test Condition	-10°C ~ 85°C (-55°C ~ 125°C)	-10°C ~ 85°C (-55°C ~ 125°C)	-10°C ~ 85°C (-55°C ~ 125°C)	-10°C ~ 85°C (-55°C ~ 125°C)
Resolution	9 b	9 b	9 b	12 b
Sensor Type	Digital, Local	Digital, Local	Digital, Local	Digital, Local
Package	Tube	Bulk	Tube	Tape & Reel (TR)
Output Type	1-Wire®	1-Wire®	1-Wire®	1-Wire®
Voltage - Supply	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Accuracy - Highest (Lowest)	±0.5°C (±2°C)	±0.5°C (±2°C)	±0.5°C (±2°C)	±0.5°C (±2°C)
Sensing Temperature - Remote	-	-	-	-
Sensing Temperature - Local	-55°C ~ 125°C	-55°C ~ 125°C	-55°C ~ 125°C	-55°C ~ 125°C
Features	Output Switch, Programmable Limit, Standby Mode	Programmable Limit, Standby Mode	Output Switch, Programmable Limit, Standby Mode	Output Switch, Programmable Limit, Programmable Resolution

DS18S20Z Datasheet PDF

Download DS18S20Z pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for DS18S20Z - Analog Devices Inc./Maxim Integrated.

Datasheets

[DS18S20 Datasheet.pdf](#)

Environmental Information

[Maxim Integrated REACH.pdf](#)

[Maxim Integrated RoHS Cert.pdf](#)

Application Notes

[Understanding the DS1WM Synthesizable 1-Wire Bus M.pdf](#)

[* Create a 1-Wire Master with Xilinx PicoBlaze.pdf](#)



















[Overview of Sensor Signal Paths.pdf](#)

PCN Obsolescence/ EOL

[Cylindrical Battery Holders.pdf](#)

Customers Also Interested in

Recommended Products

 DS18B20Z+T&R Maxim/dallas	 DS18S20+ Analog Devices Inc./Maxim Integrated SENSOR DIGITAL -55C-125C TO92-3	 DS18S20-SL+T Analog Devices / Maxim Integrated	 DS18S20Z+ Analog Devices Inc./Maxim Integrated SENSOR DIGITAL -55C-125C 8SOIC	 DS1921 Analog Devices / Maxim Integrated	 DS18B20Z+T&R Analog Devices Inc./Maxim Integrated SENSOR DIGITAL -55C-125C 8SOIC
 DS18S20+T&R Analog Devices Inc./Maxim Integrated SENSOR DIGITAL -55C-125C TO92-3	 DS18S20+T&R Analog Devices / Maxim Integrated	 DS18B20Z+TR Analog Devices / Maxim Integrated	 DS18S20Z+T Analog Devices / Maxim Integrated	 DS18S20Z+T&R Analog Devices Inc./Maxim Integrated SENSOR DIGITAL -55C-125C 8SOIC	 DS1921G Analog Devices / Maxim Integrated
 DS18D20+ Analog Devices / Maxim Integrated	 DS1921G+ Analog Devices / Maxim Integrated	 DS18S20Z+T&R Analog Devices / Maxim Integrated	 DS18B20Z+T Analog Devices / Maxim Integrated	 DS18S20Z+TR Analog Devices / Maxim Integrated	 DS18S20-SL+T&R Analog Devices Inc./Maxim Integrated SENSOR DIGITAL -55C-125C TO92-3

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

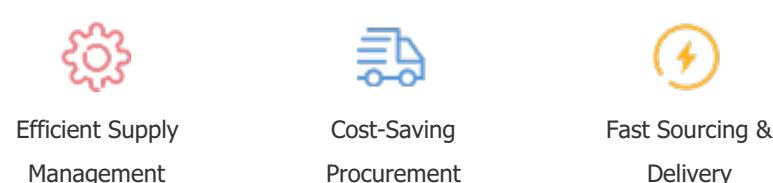
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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Contact us

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