

**LTC2312ITS8-12 Information**


For Reference Only

**Part Number** [LTC2312ITS8-12](#)  
**Manufacturer** Linear Technology  
**Category** Integrated Circuits (ICs)  
[Data Acquisition - Analog to Digital Converters \(ADC\)](#)  
**Description** IC ADC  
**Package** SOT-23-8 Thin, TSOT-23-8  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)



[Request a Quote](#)

**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**LTC2312ITS8-12 Specifications**

Manufacturer Part Number	<a href="#">LTC2312ITS8-12</a>
Manufacturer	Linear Technology
Category	Integrated Circuits (ICs) <a href="#">Data Acquisition - Analog to Digital Converters (ADC)</a>
Package	SOT-23-8 Thin, TSOT-23-8
Series	-
Number of Bits	12
Sampling Rate (Per Second)	500k
Number of Inputs	1
Input Type	Single Ended
Data Interface	SPI
Configuration	S/H-ADC
Ratio - S/H:ADC	1:1
Number of A/D Converters	1
Architecture	SAR
Reference Type	Internal
Voltage - Supply, Analog	2.7 V ~ 3.6 V, 4.75 V ~ 5.25 V
Voltage - Supply, Digital	2.7 V ~ 3.6 V, 4.75 V ~ 5.25 V
Features	-
Operating Temperature	-40°C ~ 85°C
Package / Case	SOT-23-8 Thin, TSOT-23-8
Supplier Device Package	TSOT-23-8
Mounting Type	-

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## LTC2312ITS8-12 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.

## LTC2312ITS8-12 Payment Methods



## LTC2312ITS8-12 Shipping Methods



If you have any question about LTC2312ITS8-12, please do not hesitate to contact us!

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