



ISD5008S Information



For Reference Only

Part Number ISD5008S

Manufacturer Nuvoton Technology Corporation of America

Category Integrated Circuits (ICs)

Interface - Voice Record and Playback

Description IC VOICE REC/PLAY 4-8MIN 28-SOIC

Package 28-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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









ISD5008S Specifications

Manufacturer Part Number ISD5008S Manufacturer Nuvoton Technology Corporation of America Category Integrated Circuits (ICs) Interface - Voice Record and Playback Package 28-SOIC (0.295", 7.50mm Width) Series ChipCorder? Interface SPI Input Signal Analog - Single Ended, Microphone Output Signal Analog - Single Ended, Analog Differential, PWM Speaker Output Sampling Frequency 4 ~ 8kHz Duration 4 ~ 8 Min Filter Pass Band 1.7 ~ 3.4kHz Messaging Multiple Oscillator Type Internal/External Features Auto Mute, Automatic Gain Control, Volume Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 2.7 V ~ 3.3 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC			
Category Integrated Circuits (ICs) Interface - Voice Record and Playback Package 28-SOIC (0.295", 7.50mm Width) Series ChipCorder? Interface SPI Input Signal Analog - Single Ended, Microphone Output Signal Analog - Single Ended, Analog Differential, PWM Speaker Output Sampling Frequency 4 ~ 8kHz Duration 4 ~ 8 Min Filter Pass Band 1.7 ~ 3.4kHz Messaging Multiple Oscillator Type Internal/External Features Auto Mute, Automatic Gain Control, Volume Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 2.7 V ~ 3.3 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Manufacturer Part Number	ISD5008S	
Package28-SOIC (0.295", 7.50mm Width)SeriesChipCorder?InterfaceSPIInput SignalAnalog - Single Ended, MicrophoneOutput SignalAnalog - Single Ended, Analog Differential, PWM Speaker OutputSampling Frequency4 ~ 8kHzDuration4 ~ 8 MinFilter Pass Band1.7 ~ 3.4kHzMessagingMultipleOscillator TypeInternal/ExternalFeaturesAuto Mute, Automatic Gain Control, Volume ControlOperating Temperature0°C ~ 70°C (TA)Voltage - Supply2.7 V ~ 3.3 VMounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Manufacturer	Nuvoton Technology Corporation of America	
Package28-SOIC (0.295", 7.50mm Width)SeriesChipCorder?InterfaceSPIInput SignalAnalog - Single Ended, MicrophoneOutput SignalAnalog - Single Ended, Analog Differential, PWM Speaker OutputSampling Frequency4 ~ 8kHzDuration4 ~ 8 MinFilter Pass Band1.7 ~ 3.4kHzMessagingMultipleOscillator TypeInternal/ExternalFeaturesAuto Mute, Automatic Gain Control, Volume ControlOperating Temperature0°C ~ 70°C (TA)Voltage - Supply2.7 V ~ 3.3 VMounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Category	Integrated Circuits (ICs)	
SeriesChipCorder?InterfaceSPIInput SignalAnalog - Single Ended, MicrophoneOutput SignalAnalog - Single Ended, Analog Differential, PWM Speaker OutputSampling Frequency4 ~ 8kHzDuration4 ~ 8 MinFilter Pass Band1.7 ~ 3.4kHzMessagingMultipleOscillator TypeInternal/ExternalFeaturesAuto Mute, Automatic Gain Control, Volume ControlOperating Temperature0°C ~ 70°C (TA)Voltage - Supply2.7 V ~ 3.3 VMounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC		Interface - Voice Record and Playback	
InterfaceSPIInput SignalAnalog - Single Ended, MicrophoneOutput SignalAnalog - Single Ended, Analog Differential, PWM Speaker OutputSampling Frequency4 ~ 8kHzDuration4 ~ 8 MinFilter Pass Band1.7 ~ 3.4kHzMessagingMultipleOscillator TypeInternal/ExternalFeaturesAuto Mute, Automatic Gain Control, Volume ControlOperating Temperature0°C ~ 70°C (TA)Voltage - Supply2.7 V ~ 3.3 VMounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Package	28-SOIC (0.295", 7.50mm Width)	
Input Signal Analog - Single Ended, Microphone Output Signal Analog - Single Ended, Analog Differential, PWM Speaker Output Sampling Frequency 4 ~ 8kHz Duration 4 ~ 8 Min Filter Pass Band 1.7 ~ 3.4kHz Messaging Multiple Oscillator Type Internal/External Features Auto Mute, Automatic Gain Control, Volume Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 2.7 V ~ 3.3 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Series	ChipCorder?	
Output Signal Analog - Single Ended, Analog Differential, PWM Speaker Output Sampling Frequency 4 ~ 8kHz Duration 4 ~ 8 Min Filter Pass Band 1.7 ~ 3.4kHz Messaging Multiple Oscillator Type Internal/External Features Auto Mute, Automatic Gain Control, Volume Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 2.7 V ~ 3.3 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Interface	SPI	
Sampling Frequency 4 ~ 8kHz Duration 4 ~ 8 Min Filter Pass Band 1.7 ~ 3.4kHz Messaging Multiple Oscillator Type Internal/External Features Auto Mute, Automatic Gain Control, Volume Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 2.7 V ~ 3.3 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Input Signal	Analog - Single Ended, Microphone	
Duration4 ~ 8 MinFilter Pass Band1.7 ~ 3.4kHzMessagingMultipleOscillator TypeInternal/ExternalFeaturesAuto Mute, Automatic Gain Control, Volume ControlOperating Temperature0°C ~ 70°C (TA)Voltage - Supply2.7 V ~ 3.3 VMounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Output Signal	Analog - Single Ended, Analog Differential, PWM Speaker Output	
Filter Pass Band 1.7 ~ 3.4kHz Messaging Multiple Oscillator Type Internal/External Features Auto Mute, Automatic Gain Control, Volume Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 2.7 V ~ 3.3 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Sampling Frequency	4 ~ 8kHz	
MessagingMultipleOscillator TypeInternal/ExternalFeaturesAuto Mute, Automatic Gain Control, Volume ControlOperating Temperature0°C ~ 70°C (TA)Voltage - Supply2.7 V ~ 3.3 VMounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Duration	4 ~ 8 Min	
Oscillator Type Internal/External Features Auto Mute, Automatic Gain Control, Volume Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 2.7 V ~ 3.3 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Filter Pass Band	1.7 ~ 3.4kHz	
Features Auto Mute, Automatic Gain Control, Volume Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 2.7 V ~ 3.3 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Messaging	Multiple	
Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 2.7 V ~ 3.3 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Oscillator Type	Internal/External	
Voltage - Supply 2.7 V ~ 3.3 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Features	Auto Mute, Automatic Gain Control, Volume Control	
Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Operating Temperature	0°C ~ 70°C (TA)	
Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Voltage - Supply	2.7 V ~ 3.3 V	
Supplier Device Package 28-SOIC	Mounting Type	Surface Mount	
	Package / Case	28-SOIC (0.295", 7.50mm Width)	
Report errors?	Supplier Device Package	28-SOIC	
			Report errors?

ISD5008S 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.

ISD5008S Payment Methods



















ISD5008S Shipping Methods













If you have any question about ISD5008S, please do not hesitate to contact us!

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