



ISD2540SR Information



For Reference Only

Part Number ISD2540SR

Manufacturer Nuvoton Technology Corporation of America

Category Integrated Circuits (ICs)

Interface - Voice Record and Playback

Description IC VOICE REC/PLAY 40-SEC 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



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Certified Quality

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ISD2540SR Specifications

| Manufacturer Part Number ISD2540SR Manufacturer Nuvoton Technology Corporation of America Category Integrated Circuits (ICs) Package 28-SOIC (0.295", 7.50mm Width) Series ChipCorder? Interface Pushbutton Input Signal Analog - Single Ended, Microphone Output Signal PWM Speaker Output Sampling Frequency 6.4kHz Duration 40 Sec Filter Pass Band 2.7kHz Messaging Multiple Oscillator Type Internal/External Features Automatic Gain Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 4.5 V ~ 6.5 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC | | |
|---|--------------------------|--|
| CategoryIntegrated Circuits (ICs)Interface - Voice Record and PlaybackPackage28-SOIC (0.295", 7.50mm Width)SeriesChipCorder?InterfacePushbuttonInput SignalAnalog - Single Ended, MicrophoneOutput SignalPWM Speaker OutputSampling Frequency6.4kHzDuration40 SecFilter Pass Band2.7kHzMessagingMultipleOscillator TypeInternal/ExternalFeaturesAutomatic Gain ControlOperating Temperature0°C ~ 70°C (TA)Voltage - Supply4.5 V ~ 6.5 VMounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Manufacturer Part Number | ISD2540SR |
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| Input Signal Analog - Single Ended, Microphone Output Signal PWM Speaker Output Sampling Frequency 6.4kHz Duration 40 Sec Filter Pass Band 2.7kHz Messaging Multiple Oscillator Type Internal/External Features Automatic Gain Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 4.5 V ~ 6.5 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package | Series | ChipCorder? |
| Output Signal PWM Speaker Output Sampling Frequency 6.4kHz Duration 40 Sec Filter Pass Band 2.7kHz Messaging Multiple Oscillator Type Internal/External Features Automatic Gain Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 4.5 V ~ 6.5 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC | Interface | Pushbutton |
| Sampling Frequency6.4kHzDuration40 SecFilter Pass Band2.7kHzMessagingMultipleOscillator TypeInternal/ExternalFeaturesAutomatic Gain ControlOperating Temperature0°C ~ 70°C (TA)Voltage - Supply4.5 V ~ 6.5 VMounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Input Signal | Analog - Single Ended, Microphone |
| Duration 40 Sec Filter Pass Band 2.7kHz Messaging Multiple Oscillator Type Internal/External Features Automatic Gain Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 4.5 V ~ 6.5 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC | Output Signal | PWM Speaker Output |
| Filter Pass Band Messaging Multiple Oscillator Type Internal/External Features Automatic Gain Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 4.5 V ~ 6.5 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package | Sampling Frequency | 6.4kHz |
| MessagingMultipleOscillator TypeInternal/ExternalFeaturesAutomatic Gain ControlOperating Temperature0°C ~ 70°C (TA)Voltage - Supply4.5 V ~ 6.5 VMounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Duration | 40 Sec |
| Oscillator Type Internal/External Features Automatic Gain Control Operating Temperature 0°C ~ 70°C (TA) Voltage - Supply 4.5 V ~ 6.5 V Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC | Filter Pass Band | 2.7kHz |
| Features Automatic Gain Control Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA) Voltage - Supply $4.5 \text{ V} \sim 6.5 \text{ V}$ Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC | Messaging | Multiple |
| Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA)Voltage - Supply $4.5 \text{ V} \sim 6.5 \text{ V}$ Mounting TypeSurface MountPackage / Case 28-SOIC (0.295", 7.50mm Width)Supplier Device Package 28-SOIC | Oscillator Type | Internal/External |
| Voltage - Supply4.5 V ~ 6.5 VMounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC | Features | Automatic Gain Control |
| Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC | Operating Temperature | $0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$ |
| Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC | Voltage - Supply | 4.5 V ~ 6.5 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 |
| T | | Report errors? |

ISD2540SR 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.

ISD2540SR Payment Methods



















ISD2540SR Shipping Methods













If you have any question about ISD2540SR, please do not hesitate to contact us!

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