

LTC2312ITS8-14#TRPBF

LTC2312ITS8-14#TRPBF Information



rt Number	LTC2312ITS8-14#TRPBF	
anufacturer	Linear Technology	
tegory	Integrated Circuits (ICs) Data Acquisition - Analog to Digital Converters (ADC)	
scription	IC ADC 14BIT 500KSPS TSOT23-8	
ckage	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	



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LTC2312ITS8-14#TRPBF Specifications

Manufacturer Part Number LTC2312TTS8-14#TRPBF Manufacturer Linear Technology Category Integrated Circuits (ICs) Data Acquisition - Analog to Digital Converters (ADC) Data Acquisition - Analog to Digital Converters (ADC) Package SOT-23-8 Thin, TSOT-23-8 Series - Number of Bits 14 Sampling Rate (Per Second) 500k Number of Inputs 1 Input Type Sigle Ended Data Acquisition - Analog to Digital Converters (ADC) Sigle Ended Input Type Sigle Ended Data Interface SPI Configuration S/H-ADC Ratio - S/H:ADC 1: Number of A/D Converters 1 Architecture SAR Reference Type Internal Voltage - Supply, Analog 2.7 V ~ 3.6 V, 5V Voltage - Supply, Digital 2.7 V ~ 3.6 V, 5V Pactures - Operating Temperature - Operating Temperature 40°C ~ 85°C Package / Case SOT-23-8 Thin, TSOT-23-8 <		
CategoryIntegrated Circuis (ICs)Data Acquisition - Analog to Digital Converters (ADC)PackageSOT-23-8 Thin, TSOT-23-8Series-Number of Bits14Sampling Rate (Per Second)500kNumber of Inputs1Input TypeSingle EndedData InterfaceSPIConfigurationS/H-ADCRatio - S/H:ADC1Number of A/D Converters1Number of A/D Converters1Reference TypeInternalVoltage - Supply, Analog2,7 V ~ 3.6 V, 5VVoltage - Supply, Digital-Pertures-Operating Temperature40°C ~ 85°CPackage / CaseSOT-23-8Mounting Type-Outning Type-	Manufacturer Part Number	LTC2312ITS8-14#TRPBF
Data Acquisition - Analog to Digital Converters (ADC)PackageSOT-23-8 Thin, TSOT-23-8Series-Number of Bits14Sampling Rate (Per Second)500kNumber of Inputs1Input TypeSingle EndedData InterfaceSPIConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureSARReference TypeInternalVoltage - Supply, Analog2.7 V ~ 3.6 V, 5VVoltage - Supply, Digital-Operating Temperature-Ackage / CaseSOT-23-8Supplier Device PackageTSOT-23-8Mounting Type-	Manufacturer	Linear Technology
PackageSOT-23-8 Thin, TSOT-23-8Series-Number of Bits14Sampling Rate (Per Second)500kNumber of Inputs1Input TypeSingle EndedData InterfaceSPIConfigurationS/H-ADCRatio - S/H: ADC1Number of A/D Converters1Reference TypeInternalVoltage - Supply, Analog2.7 V ~ 3.6 V, 5VVoltage - Supply, Digital-Operating Temperature-Package / CaseSOT-23-8 Thin, TSOT-23-8Mounting Type-	Category	Integrated Circuits (ICs)
Series-Number of Bits14Sampling Rate (Per Second)500kNumber of Inputs1Input TypeSingle EndedData InterfaceSPIConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureSARReference TypeInternalVoltage - Supply, Digital2.7 V ~ 3.6 V, 5VYoltage - Supply, Digital40°C ~ 85°CPeakage / CaseSOT-23-8 Thin, TSOT-23-8Mounting Type-		Data Acquisition - Analog to Digital Converters (ADC)
Number of Bits14Sampling Rate (Per Second)500kNumber of Inputs1Input TypeSingle EndedData InterfaceSPIConfigurationS/H-ADCRatio - S/H:ADC1Number of A/D Converters1Number of A/D ConvertersSARReference TypeInternalVoltage - Supply, Analog2.7 V ~ 3.6 V, 5VYoltage - Supply, Digital-Operating Temperature-Package / CaseSOT - 23.8Mounting Type-Supplier Device Package-Mounting Type-	Package	SOT-23-8 Thin, TSOT-23-8
Sampling Rate (Per Second)500kNumber of Inputs1Input TypeSingle EndedData InterfaceSPIConfigurationS/H-ADCRatio - S/H:ADC1.1Number of A/D Converters1ArchitectureSARReference TypeInternalVoltage - Supply, Analog2.7 V ~ 3.6 V, 5 VVoltage - Supply, Digital-Operating Temperature40°C ~ 85°CPackage / CaseSOT - 23.8Mounting Type-	Series	-
Number of Inputs1Input TypeSingle EndedData InterfaceSPIConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureSARReference TypeInternalVoltage - Supply, Analog2.7 V ~ 3.6 V, 5VVoltage - Supply, Digital-Operating Temperature-Package / CaseSOT-23-8 Thin, TSOT-23-8Mounting Type-	Number of Bits	14
Input TypeSingle EndedData InterfaceSPIConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureSARReference TypeInternalVoltage - Supply, Analog2.7 V ~ 3.6 V, 5VVoltage - Supply, Digital-Operating Temperature-40°C ~ 85°CPackage / CaseSOT-23-8 Thin, TSOT-23-8Mounting Type-	Sampling Rate (Per Second)	500k
Data InterfaceSPIConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureSARReference TypeInternalVoltage - Supply, Analog2.7 V ~ 3.6 V, 5VVoltage - Supply, Digital2.7 V ~ 3.6 V, 5VFeatures-Operating Temperature-40°C ~ 85°CPackage / CaseSOT-23-8 Thin, TSOT-23-8Mounting Type-	Number of Inputs	1
ConfigurationS/H-ADCRatio - S/H: ADC1.1Number of A/D Converters1ArchitectureSARReference TypeInternalVoltage - Supply, Analog2.7 V ~ 3.6 V, 5VVoltage - Supply, Digital2.7 V ~ 3.6 V, 5VFeatures-Operating Temperature-40°C ~ 85°CPackage / CaseSOT-23-8Mounting Type-	Input Type	Single Ended
Ratio - S/H:ADC1:1Number of A/D Converters1ArchitectureSARReference TypeInternalVoltage - Supply, Analog2.7 V ~ 3.6 V, 5VVoltage - Supply, Digital2.7 V ~ 3.6 V, 5VFeatures-Operating Temperature-40°C ~ 85°CPackage / CaseSOT-23-8 Thin, TSOT-23-8Supplier Device Package-Mounting Type-	Data Interface	SPI
Number of A/D Converters1ArchitectureSARReference TypeInternalVoltage - Supply, Analog2.7 V ~ 3.6 V, 5VVoltage - Supply, Digital2.7 V ~ 3.6 V, 5VFeatures-Operating Temperature-Package / CaseSOT-23-8 Thin, TSOT-23-8Supplier Device Package-Mounting Type-	Configuration	S/H-ADC
ArchitectureSARReference TypeInternalVoltage - Supply, Analog2.7 V ~ 3.6 V, 5VVoltage - Supply, Digital2.7 V ~ 3.6 V, 5VFeatures-Operating Temperature-40°C ~ 85°CPackage / CaseSOT-23.8 NIT, TSOT-23.8Supplier Device Package-Mounting Type-	Ratio - S/H:ADC	1:1
Reference TypeInternalVoltage - Supply, Analog2.7 V ~ 3.6 V, 5VVoltage - Supply, Digital2.7 V ~ 3.6 V, 5VFeatures-Operating Temperature-40°C ~ 85°CPackage / CaseSOT-23-8 Thin, TSOT-23-8Supplier Device PackageTSOT-23-8Mounting Type-	Number of A/D Converters	1
Voltage - Supply, Analog2.7 V ~ 3.6 V, 5VVoltage - Supply, Digital2.7 V ~ 3.6 V, 5VFeatures-Operating Temperature-40°C ~ 85°CPackage / CaseSOT-23-8 Thin, TSOT-23-8Supplier Device PackageTSOT-23-8Mounting Type-	Architecture	SAR
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Features-Operating Temperature-40°C ~ 85°CPackage / CaseSOT-23-8 Thin, TSOT-23-8Supplier Device PackageTSOT-23-8Mounting Type-	Voltage - Supply, Analog	2.7 V ~ 3.6 V, 5V
Operating Temperature-40°C ~ 85°CPackage / CaseSOT-23-8 Thin, TSOT-23-8Supplier Device PackageTSOT-23-8Mounting Type-	Voltage - Supply, Digital	2.7 V ~ 3.6 V, 5V
Package / CaseSOT-23-8 Thin, TSOT-23-8Supplier Device PackageTSOT-23-8Mounting Type-	Features	-
Supplier Device PackageTSOT-23-8Mounting Type-	Operating Temperature	-40°C ~ 85°C
Mounting Type -	Package / Case	SOT-23-8 Thin, TSOT-23-8
	Supplier Device Package	TSOT-23-8
Report errors?	Mounting Type	-
		Report errors?

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Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

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