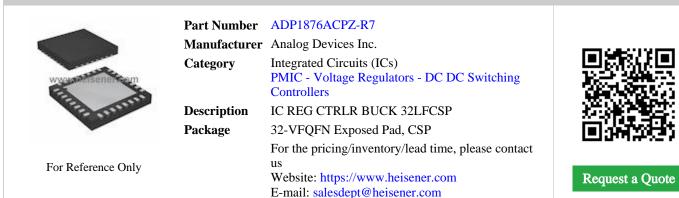


ADP1876ACPZ-R7

ADP1876ACPZ-R7 Information



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.



ADP1876ACPZ-R7 Specifications

Analysis Analog Devices In. Analysis Analog Devices In. Analysis Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers 32-VFQFN Exposed Pad, CSP Acakage 32-VFQFN Exposed Pad, CSP Dutput Type Transistor Driver Dutput Configuration Step-Down Dutput Configuration Positive Dutput Phases 2 Dutput Phases 2 Output Phases 2 Dutput Configuration 600kHz Dutput Collers 600kHz Dutput Cole (Max) 76% Synchronous Rectifier Yes Clock Sync No Clock Sync Current Limit, Enable, Power Good, Ramp, Soft Start, Tracking Operating Temperature 40°C ~ 85°C (TA) Clock Spec 32-VFQFN Exposed Pad, CSP Dutput Phases 32-VFQFN Exposed Pad, CSP			
Antegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching Controllers'ackage32-VFQFN Exposed Pad, CSP'eries-Duput TypeTransistor Driver'bunctionStep-DownDuput ConfigurationPositive'opologyBuckNumber of Outputs2'Duput Phases2'otage - Supply (Vcc/Vdd)2.75 V ~ 20 V'requency - Switching600kHzDuput Chronous RectifierYes'Stack SyncNo'Chron Limtf, Enable, Power Good, Ramp, Soft Start, Tracking'operating Temperature-40°C ~ 85°C (TA)'ackage / Case32-LFCSP-VQ (5x5)	Manufacturer Part Number	ADP1876ACPZ-R7	
PMIC - Voltage Regulators - DC DC Switching ControllersAckage32-VFQFN Exposed Pad, CSPteries-Dutput TypeTransistor Driverbutput ConfigurationStep-DownPositiveBuckNumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)2.75 V ~ 20 VFrequency - Switching600kHzDutput Control RectifierYesClock SyncNoClock SyncNoChortol Features-Control Features-Control Features2.175 V ~ 20 VClock SyncNoClock SyncNoChortol Features-Control Features-Control Features-Control Features2.175 V ~ 20 VClock SyncNoStep Clock SyncNoChortol Features-Control Features-Dupper Liperature-40°C ~ 85°C (TA)Ackage / Case32-VFQFN Exposed Pad, CSPLapplier Device Package32-LFCSP-VQ (5x5)	Manufacturer	Analog Devices Inc.	
Ackage32-VFQFN Exposed Pad, CSPieries-Dutput TypeTransistor DriveriunctionStep-DownDutput ConfigurationPositivePopologyBuckSumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)2.75 V ~ 20 VPrequency - Switching600kHzDutput SpecifierYesClock SyncNoLinterfaces-Control FeaturesCurrent Limit, Enable, Power Good, Ramp, Soft Start, TrackingOperating Temperature32-VFQFN Exposed Pad, CSP	Category	Integrated Circuits (ICs)	
Heries-Dutput TypeTransistor DriverDutput TypeStep-DownDutput ConfigurationPositiveDouput ConfigurationPositiveDouput ConfigurationBuckSumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)2.75 V ~ 20 VStep-Down600kHzDutput Cycle (Max)76%Synchronous RectifierYesStortor Features-Control FeaturesCurrent Limit, Enable, Power Good, Ramp, Soft Start, TrackingOperating Temperature40°C ~ 85°C (TA)Ackage / Case32-LFCSP-VQ (5x5)		PMIC - Voltage Regulators - DC DC Switching Controllers	
Dutput TypeTransistor DriverDutput TypeStep-DownDutput ConfigurationPositivePopologyBuckNumber of Outputs2Dutput Phases2Output Phases2Voltage - Supply (Vcc/Vdd)2.75 V ~ 20 VDutput Cycle (Max)76%Dutput Frances-Clock SyncNoDutput Frances-Control FeaturesCurrent Limit, Enable, Power Good, Ramp, Soft Start, TrackingDupating Temperature40°C ~ 85°C (TA)Supplier Device Package32-LFCSP-VQ (5x5)	Package	32-VFQFN Exposed Pad, CSP	
YunctionStep-DownDutput ConfigurationPositivePoologyBuckYunber of Outputs2Dutput Phases2Yoltage - Supply (Vcc/Vdd)2.75 V ~ 20 VYoltage - Supply (Vcc/Vdd)600kHzYour Operating600kHzYour Operating76%Your OperatingNoYour Operating Temperature-Your Operating TemperatureCurrent Limit, Enable, Power Good, Ramp, Soft Start, TrackingYour Operating Temperature32-VFQFN Exposed Pad, CSPYupplier Device Package32-LFCSP-VQ (5x5)	Series	-	
AnnulaProgramDutput ConfigurationPositivePopologyBuckSumber of Outputs2Output Phases2Output Phases2Voltage - Supply (Vcc/Vdd)2.75 V ~ 20 VGoukHz600kHzDuty Cycle (Max)76%Synchronous RectifierYesClock SyncNoControl Features-Output Ffaces-Output Ffaces-Output Ffaces-40°C ~ 85°C (TA)Operating Temperature32-VFQFN Exposed Pad, CSPOutput Ffaces32-VFQFN Exposed Pad, CSP	Output Type	Transistor Driver	
PopologyBuckSumber of Outputs2Output Phases2Output Phases2Voltage - Supply (Vcc/Vdd)2.75 V ~ 20 VOrequency - Switching600kHzOuty Cycle (Max)76%Ynchronous RectifierYesClock SyncNoOutrol Features-Outrol Features-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed Pad, CSPAupplier Device Package32-LFCSP-VQ (5x5)	Function	Step-Down	
Y and a constraint of Outputs2Sumber of Outputs2Output Phases2Yoltage - Supply (Vcc/Vdd)2.75 V ~ 20 VGookHz600kHzOutput Cycle (Max)76%Yonchronous RectifierYesClock SyncNoClock SyncNoControl FeaturesCurrent Limit, Enable, Power Good, Ramp, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed Pad, CSPSupplier Device Package32-LFCSP-VQ (5x5)	Output Configuration	Positive	
Dutput Phases2Voltage - Supply (Vcc/Vdd)2.75 V ~ 20 VVrequency - Switching600kHzDuty Cycle (Max)76%Vynchronous RectifierYesClock SyncNoVerial Interfaces-Control FeaturesCurrent Limit, Enable, Power Good, Ramp, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed Pad, CSPSupplier Device Package32-LFCSP-VQ (5x5)	Topology	Buck	
Voltage - Supply (Vcc/Vdd)2.75 V ~ 20 VØrequency - Switching600kHzDuty Cycle (Max)76%Synchronous RectifierYesClock SyncNoClock Sync.Clock SyncCurrent Limit, Enable, Power Good, Ramp, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed Pad, CSPSupplier Device Package32-LFCSP-VQ (5x5)	Number of Outputs	2	
Brequency - Switching600kHzOuty Cycle (Max)76%Synchronous RectifierYesClock SyncNoClock SyncNoControl Features-Control FeaturesCurrent Limit, Enable, Power Good, Ramp, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed Pad, CSPSupplier Device Package32-LFCSP-VQ (5x5)	Output Phases	2	
Duty Cycle (Max)76%Synchronous RectifierYesClock SyncNoBerial Interfaces-Control FeaturesCurrent Limit, Enable, Power Good, Ramp, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed Pad, CSPSupplier Device Package32-LFCSP-VQ (5x5)	Voltage - Supply (Vcc/Vdd)	2.75 V ~ 20 V	
Aynchronous RectifierYesClock SyncNoAerial Interfaces-Control FeaturesCurrent Limit, Enable, Power Good, Ramp, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed Pad, CSPAupplier Device Package32-LFCSP-VQ (5x5)	Frequency - Switching	600kHz	
Clock SyncNoderial Interfaces-Control FeaturesCurrent Limit, Enable, Power Good, Ramp, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed Pad, CSPOppier Device Package32-LFCSP-VQ (5x5)	Duty Cycle (Max)	76%	
Aerial Interfaces-Control FeaturesCurrent Limit, Enable, Power Good, Ramp, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed Pad, CSPSupplier Device Package32-LFCSP-VQ (5x5)	Synchronous Rectifier	Yes	
Control FeaturesCurrent Limit, Enable, Power Good, Ramp, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed Pad, CSPOupplier Device Package32-LFCSP-VQ (5x5)	Clock Sync	No	
Operating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed Pad, CSPSupplier Device Package32-LFCSP-VQ (5x5)	Serial Interfaces	-	
Package / Case32-VFQFN Exposed Pad, CSPSupplier Device Package32-LFCSP-VQ (5x5)	Control Features	Current Limit, Enable, Power Good, Ramp, Soft Start, Tracking	
Supplier Device Package 32-LFCSP-VQ (5x5)	Operating Temperature	-40°C ~ 85°C (TA)	
	Package / Case	32-VFQFN Exposed Pad, CSP	
Report errors?	Supplier Device Package	32-LFCSP-VQ (5x5)	
			Report errors?

ADP1876ACPZ-R7 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.

ADP1876ACPZ-R7 Payment Methods





If you have any question about ADP1876ACPZ-R7, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com