

# ADP3650JCPZ-RL

#### **ADP3650JCPZ-RL Information**

visite for the result	 ADP3650JCPZ-RL Analog Devices Inc. Integrated Circuits (ICs) PMIC - Gate Drivers IC MOSFET DRIVER DUAL 12V 8LFCSP 8-VFDFN Exposed Pad, CSP For the pricing/inventory/lead time, please contact us	
For Reference Only	Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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### **ADP3650JCPZ-RL Specifications**

Manufacturer Part Number ADP3650JCPZ-RL   Manufacturer Analog Devices Inc.   Category Integrated Circuits (ICs)   Package 8-VFDFN Exposed Pad, CSP   Series -   Driven Configuration Half-Bridge   Channel Type Synchronous   Number of Drivers 2   Gate Type N-Channel MOSFET   Voltage - Supply 4.15 V ~ 13.2 V   Logic Voltage - VIL, VIH 0.8V, 2V   Current - Peak Output (Source, Sink) -   Input Type Non-Inverting   High Side Voltage - Max (Bootstrap) -   Rise / Fall Time (Typ) Ors, 16ns   Operating Temperature Surface Mount   Mounting Type Surface Mount   Package / Case 8-VFDFN Exposed Pad, CSP	•	
CategoryIntegrated Circuits (ICs) PMIC - Gate DriversPackage8-VFDFN Exposed Pad, CSPSeries-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.15 V ~ 13.2 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-High Side Voltage - Max (Boostrap)-High Side Voltage - Max (Boostrap)-Greating Temperature0% C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Manufacturer Part Number	ADP3650JCPZ-RL
PMIC - Gate DriversPackage8-VFDFN Exposed Pad, CSPSeries-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.15 V ~ 13.2 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-High Side Voltage - Max (Boostrap)-0Rise / Fall Time (Typ)00ns, 16nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Manufacturer	Analog Devices Inc.
Package8-VFDFN Exposed Pad, CSPSeries-Series-Driven ConfigurationHalf-BridgeChanel TypeSynchronousNumber of Drivers2Gate TypeN-Chanel MOSFETVoltage - Supply4.15 V ~ 13.2 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-High Side Voltage - Max (Boostrap)-Kise / Fall Time (Typ)00n, 16nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountHouting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETOtage - Supply4.15 V ~ 13.2 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Size / Fall Time (Typ)00s, 16nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)		PMIC - Gate Drivers
Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.15 V ~ 13.2 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)O'C ~ 150°C (TJ)Operating TemperatureSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Package	8-VFDFN Exposed Pad, CSP
Channel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETGate Type4.15 V ~ 13.2 VVoltage - Supply4.15 V ~ 13.2 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Size / Fall Time (Typ)20ns, 16nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Series	-
Number of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.15 V ~ 13.2 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 16nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Driven Configuration	Half-Bridge
Gate TypeN-Channel MOSFETVoltage - Supply4.15 V~13.2 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)20ns, 16nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Channel Type	Synchronous
Voltage - Supply4.15 V ~ 13.2 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 16nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Number of Drivers	2
Logic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)20ns, 16nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 16nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Voltage - Supply	4.15 V ~ 13.2 V
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 16nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 16nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Current - Peak Output (Source, Sink)	-
Rise / Fall Time (Typ)20ns, 16nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Input Type	Non-Inverting
Operating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	High Side Voltage - Max (Bootstrap)	-
Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Rise / Fall Time (Typ)	20ns, 16ns
Package / Case8-VFDFN Exposed Pad, CSPSupplier Device Package8-LFCSP-VD (3x3)	Operating Temperature	0°C ~ 150°C (TJ)
Supplier Device Package8-LFCSP-VD (3x3)	Mounting Type	Surface Mount
	Package / Case	8-VFDFN Exposed Pad, CSP
Report errors?	Supplier Device Package	8-LFCSP-VD (3x3)
		Report errors?

#### **ADP3650JCPZ-RL** 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.

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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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# ADP3650JCPZ-RL Shipping Methods



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