

UC2714N

UC2714N Information



Part Number	UC2714N	
Manufacturer	Texas Instruments	
Category	Integrated Circuits (ICs) PMIC - Gate Drivers	
Description	IC COMPLEMENT SW FET DRVR 8-DIP	
Package	8-DIP (0.300", 7.62mm)	
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	



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UC2714N Specifications

Manufacturer Part Number UC2714N Manufacturer Texas Instruments Category Integrated Circuits (ICs) Package PMIC - Gate Drivers Package 8-DIP (0.300", 7.62mm) Series - Driven Configuration Low-Side Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 7 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 500mA, 1A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 30ns, 25ns Operating Temperature 40°C ~ 150°C (TJ) Mounting Type Fulp (0.300", 7.62mm) Package / Case 8-DIP (0.300", 7.62mm)		
CategoryIntegrated Circuits (ICs)PackagePMIC - Gate DriversPackage8-DIP (0.300", 7.62mm)Series-Driven ConfigurationLow-SideChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply0.8V, 2VLogic Voltage - VIL, VIHSomA, 1AInput TypeSomA, 1AHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)30s, 25nsOperating Temperature40°C ~ 150°C (TJ)Mounting TypeFurough JellNounting TypeSupliP (0.300", 7.62mm)Supplier Device Package8-DIP (0.300", 7.62mm)	Manufacturer Part Number	UC2714N
MIC - Gate DriversPackage8-DIP (0.300", 7.62mm)Series-Driven ConfigurationLow-SideChanel TypeSynchronousNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply7 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)	Manufacturer	Texas Instruments
Package8-DIP (0.300", 7.62mm)Series-Stries-Driven ConfigurationLow-SideChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply7 V ~ 20 VLogic Voltage - VIL, VIHSomA, 1ACurrent - Peak Output (Source, Sink)50mA, 1AInput TypeSona, 1AHigh Side Voltage - Max (Bootstrap)-Kier / Fall Time (Typ)Jons, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeShorly MolestPackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-DIP	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationLow-SideChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply7 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSh DIP (0.300", 7.62mm)Supplier Device Package8-DIP		PMIC - Gate Drivers
Driven ConfigurationLow-SideDriven ConfigurationSynchronousChannel Type2Number of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply7 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Sies / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Package	8-DIP (0.300", 7.62mm)
Channel TypeSynchronousChannel Type2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply7 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Size / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSDIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Series	-
Number of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply7 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Driven Configuration	Low-Side
Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply7 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)30ns, 25nsOperating Type-40°C ~ 150°C (TJ)Mounting TypeFhrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Channel Type	Synchronous
Voltage - Supply7 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Number of Drivers	2
Logic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeFhrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink)500mA, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Voltage - Supply	7 V ~ 20 V
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Current - Peak Output (Source, Sink)	500mA, 1A
Rise / Fall Time (Typ)30ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Input Type	Non-Inverting
Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	High Side Voltage - Max (Bootstrap)	-
Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Rise / Fall Time (Typ)	30ns, 25ns
Package / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package 8-PDIP	Mounting Type	Through Hole
	Package / Case	8-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	8-PDIP
		Report errors?

UC2714N 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 GUARANTEE

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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