

MCP14A0902T-E/MNY

MCP14A0902T-E/MNY Information



For Reference Only

Part Number MCP14A0902T-E/MNY
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description 9.0A SINGLE NON-INV MOSFET DRIVE

Package 8-WFDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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MCP14A0902T-E/MNY Specifications

Manufacturer Part NumberMCP14A0902T-E/MNYManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-WFDFN Exposed PadSeries-Driven ConfigurationHigh-Side or Low-SideChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5V ~ 18VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)9A, 9AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)22ns, 22nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case8-WFDFN Exposed PadSupplier Device Package8-TDFN (2x3)		
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Package 8-WFDFN Exposed Pad Series - Driven Configuration High-Side or Low-Side Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5V ~ 18V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 9A, 9A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 22ns, 22ns Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-WFDFN Exposed Pad Supplier Device Package	Manufacturer	Microchip Technology
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Number of Drivers Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 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) Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-WFDFN Exposed Pad Supplier Device Package	Driven Configuration	High-Side or Low-Side
Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5V ~ 18V 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) 22ns, 22ns Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-WFDFN Exposed Pad Supplier Device Package	Channel Type	Synchronous
Voltage - Supply 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) Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-WFDFN Exposed Pad Supplier Device Package	Number of Drivers	2
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-WFDFN Exposed Pad Supplier Device Package	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-WFDFN Exposed Pad Supplier Device Package 8-TDFN (2x3)	Voltage - Supply	4.5V ~ 18V
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High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 22ns, 22ns Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-WFDFN Exposed Pad Supplier Device Package 8-TDFN (2x3)	Current - Peak Output (Source, Sink)	9A, 9A
Rise / Fall Time (Typ) 22ns, 22ns Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-WFDFN Exposed Pad Supplier Device Package 8-TDFN (2x3)	Input Type	Non-Inverting
Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case8-WFDFN Exposed PadSupplier Device Package8-TDFN (2x3)	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 8-WFDFN Exposed Pad Supplier Device Package 8-TDFN (2x3)	Rise / Fall Time (Typ)	22ns, 22ns
Package / Case 8-WFDFN Exposed Pad Supplier Device Package 8-TDFN (2x3)	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package 8-TDFN (2x3)	Mounting Type	Surface Mount
	Package / Case	8-WFDFN Exposed Pad
Report errors?	Supplier Device Package	8-TDFN (2x3)
		Report errors?

MCP14A0902T-E/MNY Guarantees



Ouality 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.

MCP14A0902T-E/MNY Payment Methods



















MCP14A0902T-E/MNY Shipping Methods













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