

MIC4423CN

MIC4423CN 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.



MIC4423CN Specifications

Manufacturer Part Number MIC4423CN Manufacturer Microchip Technology Category Integrated Circuits (ICs) Package 8-DIP (0.300", 7.62mm) Package - Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2.4V Current - Peak Output (Source, Sink) A, 3A Input Type Inverting High Side Voltage - Max (Bootstrap) - Size / Fall Time (Typ) 28ns, 32ns Operating Temperature 0°C ~ 150°C (TJ) Munuing Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)		
CategoryIntegrated Circuits (ICs)PackagePMIC - Gate DriversPackage8-DIP (0.300", 7.62mm)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeInvertingHigh Side Voltage - Max (Boostrap)-Kise / Fall Time (Typ)28ns, 32nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Manufacturer Part Number	MIC4423CN
PMIC - Gate DriversPackage8-DIP (0.300", 7.62mm)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)0°C ~ 150°C (TJ)Operating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)	Manufacturer	Microchip Technology
Package8-DIP (0.300", 7.62mm)Series-Stries-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)1.nertringInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Ster Fall Time (Typ)0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)28ns, 32nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP		PMIC - Gate Drivers
Driven ConfigurationLow-SideDriven ConfigurationIndependentChannel Type2Number of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Size / Fall Time (Typ)28ns, 32nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Package	8-DIP (0.300", 7.62mm)
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Number of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)28ns, 32nsOperating Temperature0°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 - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)28ns, 32nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Channel Type	Independent
Voltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)28ns, 32nsOperating Temperature0°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, 2.4VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeInvertingInput Type-High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)28ns, 32nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink)3A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)28ns, 32nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Voltage - Supply	4.5 V ~ 18 V
Input TypeInvertingInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)28ns, 32nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Logic Voltage - VIL, VIH	0.8V, 2.4V
High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)28ns, 32nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Current - Peak Output (Source, Sink)	3A, 3A
Rise / Fall Time (Typ)28ns, 32nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Input Type	Inverting
Operating Temperature0°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)	28ns, 32ns
Package / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Operating Temperature	0°C ~ 150°C (TJ)
Supplier Device Package 8-PDIP	Mounting Type	Through Hole
	Package / Case	8-DIP (0.300", 7.62mm)
	Supplier Device Package	8-PDIP
Report errors?		Report errors?

MIC4423CN 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 EUARANTEE

Service Guarantees

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

MIC4423CN Payment Methods



MIC4423CN Shipping Methods



If you have any question about MIC4423CN, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com