

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) |
| Channel 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)-Rise / Fall Time (Typ)28ns, 32nsOperating TemperatureO°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm) | Series | _ |
| 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