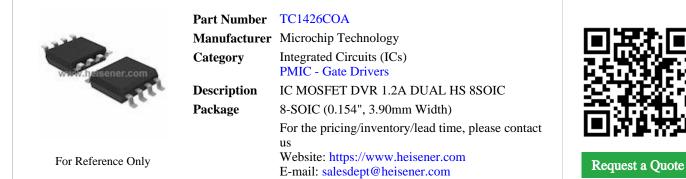


TC1426COA

TC1426COA 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.



TC1426COA Specifications

Manufacturer Part Number TC1426COA Manufacturer Microchip Technology Category Integrated Circuits (ICs) Package PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 16 V Logic Voltage - VIL, VIH 0.8V, 3V Current - Peak Output (Source, Sink) 1.2A, 1.2A Input Type Inverting High Side Voltage - Max (Bootstrap) - Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)		
CategoryIntegrated Circuits (ICs)PackagePMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeInvertingHigh Side Voltage - Max (Boostrap)-Kise / Fall Time (Typ)35ns, 25nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	TC1426COA
PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationLow-SideChanel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)Sins, 25nsOperating TypeSinface MountMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Manufacturer	Microchip Technology
Package8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Size, Fall Time (Typ)35ns, 25nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Sise, Fall Time (Typ)35ns, 25nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC		PMIC - Gate Drivers
Driven ConfigurationLow-SideDriven ConfigurationIndependentChannel Type2State TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)35ns, 25nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Package	8-SOIC (0.154", 3.90mm Width)
Channel TypeIndependentNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)35ns, 25nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Series	-
Number of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)35ns, 25nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Driven Configuration	Low-Side
Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)35ns, 25nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Channel Type	Independent
Voltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)35ns, 25nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Number of Drivers	2
Logic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)35ns, 25nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink)1.2A, 1.2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)35ns, 25nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Voltage - Supply	4.5 V ~ 16 V
Input TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)35ns, 25nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Logic Voltage - VIL, VIH	0.8V, 3V
High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)35ns, 25nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Current - Peak Output (Source, Sink)	1.2A, 1.2A
Rise / Fall Time (Typ)35ns, 25nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Input Type	Inverting
Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	High Side Voltage - Max (Bootstrap)	-
Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Rise / Fall Time (Typ)	35ns, 25ns
Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Operating Temperature	0°C ~ 70°C (TA)
Supplier Device Package 8-SOIC	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
		Report errors?

TC1426COA 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

Service Guarantees

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

DISCOVER

TC1426COA Payment Methods



If you have any question about TC1426COA, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com