

TC428COA Information



For Reference Only

Part Number TC428COA

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC MOSFET DVR 1.5A DUAL HS 8SOIC

Package 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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TC428COA Specifications

Manufacturer Part NumberTC428COAManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Package8-SOIC (0.154", 3.90mm Width)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)1.5A, 1.5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)30ns, 30nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC		
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Number of Drivers 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) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 30ns, 30ns Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	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)1.5A, 1.5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)30ns, 30nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Channel Type	Independent
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.4V Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Number of Drivers	2
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Voltage - Supply	4.5 V ~ 18 V
Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 30ns, 30ns Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Logic Voltage - VIL, VIH	0.8V, 2.4V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 30ns, 30ns Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Current - Peak Output (Source, Sink)	1.5A, 1.5A
Rise / Fall Time (Typ) 30ns, 30ns Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Input Type	Inverting, Non-Inverting
Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Rise / Fall Time (Typ)	30ns, 30ns
Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	$0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$
	Mounting Type	Surface Mount
Supplier Device Package 8-SOIC	Package / Case	8-SOIC (0.154", 3.90mm Width)
	Supplier Device Package	8-SOIC
Report errors?		Report errors?

TC428COA Guarantees



Quality Guarantees

We provide 90 days warranty. *

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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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TC428COA Shipping Methods













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