



MIC4606-2YTS-TR Information



For Reference Only

Part Number MIC4606-2YTS-TR

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC GATE DRVR HALF-BRIDGE 16TSSOP

Package 16-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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



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MIC4606-2YTS-TR Specifications

Manufacturer Part NumberMIC4606-2YTS-TRManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Package16-TSSOP (0.173", 4.40mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers4Gate TypeN-Channel MOSFETVoltage - Supply5.25 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 2.2VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)108VRise / Fall Time (Typ)20ns, 20nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP		
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Driven Configuration Channel Type Synchronous Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 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 (TJ) Mounting Type Surface Mount Package / Case 16-TSSOP Half-Bridge Synchronous A 4 10 N-Channel MOSFET N-Channel MOSFET Non-Inverting 10 10 20 20 20 20 20 20 30 30 40 60 60 61 61 61 61 61 61 61 6	Package	16-TSSOP (0.173", 4.40mm Width)
Channel Type Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 5.25 V ~ 16 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature 40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package	Series	-
Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply 5.25 V ~ 16 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-TSSOP 16-TSSOP	Driven Configuration	Half-Bridge
Gate TypeN-Channel MOSFETVoltage - Supply5.25 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 2.2VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)108VRise / Fall Time (Typ)20ns, 20nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP	Channel Type	Synchronous
Voltage - Supply 5.25 V ~ 16 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) 1A, 1A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 20ns, 20ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package	Number of Drivers	4
Logic Voltage - VIL, VIH0.8V, 2.2VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)108VRise / Fall Time (Typ)20ns, 20nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP	Gate Type	N-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 (TJ) Mounting Type Surface Mount Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package	Voltage - Supply	5.25 V ~ 16 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package	Logic Voltage - VIL, VIH	0.8V, 2.2V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 20ns, 20ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package	Current - Peak Output (Source, Sink)	1A, 1A
Rise / Fall Time (Typ) 20ns, 20ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package	Input Type	Non-Inverting
Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package 16-TSSOP	High Side Voltage - Max (Bootstrap)	108V
Mounting Type Surface Mount Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package 16-TSSOP	Rise / Fall Time (Typ)	20ns, 20ns
Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package 16-TSSOP	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 16-TSSOP	Mounting Type	Surface Mount
	Package / Case	16-TSSOP (0.173", 4.40mm Width)
Report errors?	Supplier Device Package	16-TSSOP
		Report errors?

MIC4606-2YTS-TR 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 Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

MIC4606-2YTS-TR Payment Methods



















MIC4606-2YTS-TR Shipping Methods













If you have any question about MIC4606-2YTS-TR, please do not hesitate to contact us!

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