



LM5107MA Information



For Reference Only

Part NumberLM5107MAManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)
PMIC - Gate Drivers

DescriptionIC DVR HALF-BRIDGE HV 8-SOICPackage8-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



Request a Quote

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.









LM5107MA Specifications

Manufacturer Part NumberLM5107MAManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply8 V ~ 14 VLogic Voltage - VIL, VIH0.8V, 2.2VCurrent - Peak Output (Source, Sink)1.3A, 1.4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)118VRise / Fall Time (Typ)15ns, 15ns		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Integrated Circuits (ICs) PMIC - Gate Drivers 8-SOIC (0.154", 3.90mm Width) - National Width) - Non-Inverting - Non-Inverting - 118V	Manufacturer Part Number	LM5107MA
Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) 1.3A, 1.4A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 118V	Manufacturer	Texas Instruments
Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) 1.3A, 1.4A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 118V	Category	Integrated Circuits (ICs)
Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) 1.3A, 1.4A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 118V		PMIC - Gate Drivers
Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Half-Bridge Independent 1 N-Channel MOSFET N-Channel MOSFET N-Channel MOSFET Non-Inverting 118V	Package	8-SOIC (0.154", 3.90mm Width)
Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) 1.3A, 1.4A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 118V	Series	-
Number of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply8 V ~ 14 VLogic Voltage - VIL, VIH0.8V, 2.2VCurrent - Peak Output (Source, Sink)1.3A, 1.4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)118V	Driven Configuration	Half-Bridge
Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) 1.3A, 1.4A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 118V	Channel Type	Independent
Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) 1.3A, 1.4A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 118V	Number of Drivers	2
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 118V	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 1.3A, 1.4A Non-Inverting	Voltage - Supply	8 V ~ 14 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 118V	Logic Voltage - VIL, VIH	0.8V, 2.2V
High Side Voltage - Max (Bootstrap) 118V	Current - Peak Output (Source, Sink)	1.3A, 1.4A
	Input Type	Non-Inverting
Rise / Fall Time (Typ) 15ns, 15ns	High Side Voltage - Max (Bootstrap)	118V
	Rise / Fall Time (Typ)	15ns, 15ns
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TJ)}$	Operating Temperature	-40°C ~ 125°C (TJ)
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 8-SOIC (0.154", 3.90mm Width)	Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package 8-SOIC	Supplier Device Package	8-SOIC
Report errors?		Report errors?

LM5107MA 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.

LM5107MA Payment Methods

































If you have any question about LM5107MA, please do not hesitate to contact us!

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