



UC3707DWTR Information



For Reference Only

Part Number UC3707DWTR

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DUAL CH PWR DRIVER 16-SOIC **Package** 16-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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UC3707DWTR Specifications

Manufacturer UC3707DWTR Manufacturer Texas Instruments Category Integrated Circuits (ICs) PACKAGE 16-SOIC (0.295", 7.50mm Width) Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 5 V ~ 40 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) 1.5A, 1.5A Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 40ns, 40ns Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC		
CategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage16-SOIC (0.295", 7.50mm Width)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply5 V ~ 40 VLogic Voltage - VIL, VIH0.8V, 2.2VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)40ns, 40nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Manufacturer Part Number	UC3707DWTR
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Package 1-SOIC (0.295", 7.50mm Width) Series	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply5 V ~ 40 VLogic Voltage - VIL, VIH0.8V, 2.2VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)40ns, 40nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC		PMIC - Gate Drivers
Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 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 Mounting Type Surface Mount Package / Case 16-SOIC (0.295", 7.50mm Width) Surplier Device Package	Package	16-SOIC (0.295", 7.50mm Width)
Channel Type Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 5 V ~ 40 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 40ns, 40ns Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Series	-
Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply 5 V ~ 40 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap)	Driven Configuration	Low-Side
Gate Type N-Channel MOSFET Voltage - Supply 5 V ~ 40 V Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 40ns, 40ns Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Channel Type	Independent
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 40ns, 40ns Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Number of Drivers	2
Logic Voltage - VIL, VIH0.8V, 2.2VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)40ns, 40nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Gate Type	N-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 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Voltage - Supply	5 V ~ 40 V
Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap)	Logic Voltage - VIL, VIH	0.8V, 2.2V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 40ns, 40ns Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Current - Peak Output (Source, Sink)	1.5A, 1.5A
Rise / Fall Time (Typ) $40ns, 40ns$ Operating Temperature $0^{\circ}C \sim 70^{\circ}C$ (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Input Type	Inverting, Non-Inverting
Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Rise / Fall Time (Typ)	40ns, 40ns
Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Operating Temperature	$0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$
Supplier Device Package 16-SOIC	Mounting Type	Surface Mount
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC
*		Report errors?

UC3707DWTR 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.

UC3707DWTR Payment Methods



















UC3707DWTR Shipping Methods













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