

IR1176S Information



For Reference Only

Part Number IR1176S

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER SYNC 5V 4A 20-SSOP **Package** 20-SSOP (0.209", 5.30mm Width)

For the pricing/inventory/lead time, please contact

us

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



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IR1176S Specifications

Manufacturer Part Number Manufacturer Infineon Technologies Integrated Circuits (ICs) PMIC - Gate Drivers Package 20-SSOP (0.209", 5.30mm Width) Series Driven Configuration Low-Side Channel Type Single Number of Drivers 1 Gate Type N-Channel MOSFET Voltage - Supply 4 V ~ 5.25 V Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Surface Mount Package (Case 1 Infineon Technologies PMIC - Gate Drivers - Uses SOP (0.209" 5.30mm Width)	<u>-</u>	
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 20-SSOP (0.209", 5.30mm Width) Series - Driven Configuration Low-Side Channel Type Single Number of Drivers I Gate Type N-Channel MOSFET Voltage - Supply 4 V ~ 5.25 V Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature 40°C ~ 150°C (TJ) Mounting Type Indicate Drivers Augusta Drivers Augusta Drivers PMIC - Gate Drivers Augusta Drivers Augusta Drivers Augusta Drivers PMIC - Gate Drivers Augusta Drivers Augusta Drivers PMIC - Gate Drivers Augusta Drive	Manufacturer Part Number	IR1176S
PACKAGE Package 20-SSOP (0.209", 5.30mm Width) Series - Driven Configuration Low-Side Channel Type Single Number of Drivers 1 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 ~ 150°C (TJ) Mounting Type Surface Mount	Manufacturer	Infineon Technologies
Package 20-SSOP (0.209", 5.30mm Width) Series - Driven Configuration Low-Side Channel Type Single Number of Drivers 1 Gate Type N-Channel MOSFET Voltage - Supply 4 V ~ 5.25 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) 4A, 4A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 20ns, 20ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount	Category	Integrated Circuits (ICs)
Series - Driven Configuration Low-Side Channel Type Single Number of Drivers 1 Gate Type N-Channel MOSFET Voltage - Supply 4 V ~ 5.25 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) 4A, 4A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 20ns, 20ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount		PMIC - Gate Drivers
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Channel Type Number of Drivers 1 Gate Type N-Channel MOSFET Voltage - Supply 4 V ~ 5.25 V Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Single 1 N-Channel MOSFET 4 V ~ 5.25 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) 4A, 4A Non-Inverting - Voltage - Max (Bootstrap) - Cons, 20ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount	Series	-
Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply 4 V ~ 5.25 V 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 ~ 150°C (TJ) Mounting Type Surface Mount	Driven Configuration	Low-Side
Gate TypeN-Channel MOSFETVoltage - Supply4 V ~ 5.25 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)4A, 4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 20nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface Mount	Channel Type	Single
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 Mounting Type 4 V ~ 5.25 V - 20 Supply 5 Supply 6 Supply 6 Supply 6 Supply 6 Supply 7 Supply 7 Supply 8 S	Number of Drivers	1
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Operating Type Surface Mount	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 Operating Type AA, 4A	Voltage - Supply	4 V ~ 5.25 V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Non-Inverting - 20ns, 20ns Surface Mount	Logic Voltage - VIL, VIH	-
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Operating Type Surface Mount	Current - Peak Output (Source, Sink)	4A, 4A
Rise / Fall Time (Typ) $20ns, 20ns$ Operating Temperature $-40^{\circ}C \sim 150^{\circ}C$ (TJ)Mounting TypeSurface Mount	Input Type	Non-Inverting
Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$ Mounting Type Surface Mount	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount	Rise / Fall Time (Typ)	20ns, 20ns
5 71	Operating Temperature	-40°C ~ 150°C (TJ)
Package / Case 20-SSOP (0.209" 5.30mm Width)	Mounting Type	Surface Mount
20 5501 (0.207, 5.50mm Width)	Package / Case	20-SSOP (0.209", 5.30mm Width)
Supplier Device Package 20-SSOP	Supplier Device Package	20-SSOP
Report errors?		Report errors?

IR1176S 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.

IR1176S Payment Methods





















IR1176S Shipping Methods













If you have any question about IR1176S, please do not hesitate to contact us!

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