

IR2214SS Information



For Reference Only

Part Number IR2214SS

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER HALF BRIDGE SGL 24SSOP

Package 24-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



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.









IR2214SS Specifications

Manufacturer Part Number Manufacturer Infineon Technologies Integrated Circuits (ICs) PMIC - Gate Drivers Package 24-SSOP (0.209", 5.30mm Width) Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type IGBT Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Surface Mount Package / Case 24-SSOP Report errors?		
CategoryIntegrated Circuits (ICs)PACKAGE24-SSOP (0.209", 5.30mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeIGBTVoltage - Supply11.5 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)2A, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)24ns, 7nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP	Manufacturer Part Number	IR2214SS
Package 24-SSOP (0.209", 5.30mm Width) Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type IGBT Voltage - Supply 11.5 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 2A, 3A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 1200V Rise / Fall Time (Typ) 24ns, 7ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Mounting Type Surface Mount Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package	Manufacturer	Infineon Technologies
Package24-SSOP (0.209", 5.30mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeIGBTVoltage - Supply11.5 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)2A, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)24ns, 7nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeIGBTVoltage - Supply11.5 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)2A, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)24ns, 7nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP		PMIC - Gate Drivers
Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type IGBT 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 Package / Case 24-SSOP Half-Bridge Independent Independent Independent 1. Independent 1. Independent 2. A. 3A Input Type Non-Inverting 1. 200V 2. A. 3A Input Type Surface Mount 2. A. 3C 1. C. T. J. S. Somm Width) 2. A. SOP	Package	24-SSOP (0.209", 5.30mm Width)
Channel Type Independent Number of Drivers 2 Gate Type IGBT Voltage - Supply 11.5 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 2A, 3A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 1200V Rise / Fall Time (Typ) 24ns, 7ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package	Series	-
Number of Drivers2Gate TypeIGBTVoltage - Supply11.5 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)2A, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)24ns, 7nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP	Driven Configuration	Half-Bridge
Gate Type Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2V 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 Package / Case 24-SSOP IGBT IGBT IGBT IGBT IGBT ILS V ~ 20 V 0.8V, 2V 2A, 3A Non-Inverting 1200V Carbon C (TJ) Surface Mount Package / Case 24-SSOP (0.209", 5.30mm Width) 24-SSOP	Channel Type	Independent
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2V 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 Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package	Number of Drivers	2
Logic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)2A, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)24ns, 7nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP	Gate Type	IGBT
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 Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package	Voltage - Supply	11.5 V ~ 20 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 24ns, 7ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package	Current - Peak Output (Source, Sink)	2A, 3A
Rise / Fall Time (Typ)24ns, 7nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SSOP (0.209", 5.30mm Width)Supplier Device Package24-SSOP	Input Type	Non-Inverting
Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package 24-SSOP	High Side Voltage - Max (Bootstrap)	1200V
Mounting Type Surface Mount Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package 24-SSOP	Rise / Fall Time (Typ)	24ns, 7ns
Package / Case 24-SSOP (0.209", 5.30mm Width) Supplier Device Package 24-SSOP	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package 24-SSOP	Mounting Type	Surface Mount
	Package / Case	24-SSOP (0.209", 5.30mm Width)
Report errors?	Supplier Device Package	24-SSOP
Tepott offolis.		Report errors?

IR2214SS 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.

IR2214SS Payment Methods





















IR2214SS Shipping Methods













If you have any question about IR2214SS, please do not hesitate to contact us!

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