



IRS21853SPBF Information

www.heisener.com

For Reference Only

Part Number IRS21853SPBF

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

DescriptionIC DVR DUAL HIGH SIDE 16-SOICPackage16-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.









IRS21853SPBF Specifications

Manufacturer Part NumberIRS21853SPBFManufacturerInfineon TechnologiesCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage16-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHigh-SideChannel TypeIndependentNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.6V, 3.5VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)15ns, 15nsOperating Temperature-55°C ~ 150°C (TJ)		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 16-SOIC (0.154", 3.90mm Width) Series - Driven Configuration High-Side Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.6V, 3.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Integrated Circuits (ICs) PMIC - Gate Drivers 16-SOIC (0.154", 3.90mm Width) Independent 2 2 4 Independent Non-Channel MOSFET Non-Inverting Non-Inverting 600V Rise / Fall Time (Typ)	Manufacturer Part Number	IRS21853SPBF
Package 16-SOIC (0.154", 3.90mm Width) Series - Driven Configuration High-Side Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.6V, 3.5V Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 15ns, 15ns	Manufacturer	Infineon Technologies
Package 16-SOIC (0.154", 3.90mm Width) Series - Driven Configuration High-Side Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.6V, 3.5V Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 15ns, 15ns	Category	Integrated Circuits (ICs)
Series - Driven Configuration High-Side Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.6V, 3.5V Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 15ns, 15ns		PMIC - Gate Drivers
Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.6V, 3.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High-Side August 10 V ~ 20 V August	Package	16-SOIC (0.154", 3.90mm Width)
Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.6V, 3.5V Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 15ns, 15ns	Series	-
Number of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.6V, 3.5VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)15ns, 15ns	Driven Configuration	High-Side
Gate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.6V, 3.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) IGBT, N-Channel MOSFET 10 V ~ 20 V 24, 24 Non-Inverting 600V 15ns, 15ns	Channel Type	Independent
Voltage - Supply Logic Voltage - VIL, VIH 0.6V, 3.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 10 V ~ 20 V 0.6V, 3.5V 2A, 2A Non-Inverting 600V	Number of Drivers	2
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 0.6V, 3.5V 2A, 2A Non-Inverting 600V 15ns, 15ns	Gate Type	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 2A, 2A Non-Inverting 600V 15ns, 15ns	Voltage - Supply	10 V ~ 20 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 15ns, 15ns	Logic Voltage - VIL, VIH	0.6V, 3.5V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 600V 15ns, 15ns	Current - Peak Output (Source, Sink)	2A, 2A
Rise / Fall Time (Typ) 15ns, 15ns	Input Type	Non-Inverting
	High Side Voltage - Max (Bootstrap)	600V
Operating Temperature -55°C ~ 150°C (TJ)	Rise / Fall Time (Typ)	15ns, 15ns
7 6	Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 16-SOIC (0.154", 3.90mm Width)	Package / Case	16-SOIC (0.154", 3.90mm Width)
Supplier Device Package 16-SOIC	Supplier Device Package	16-SOIC
Report errors?		Report errors?

IRS21853SPBF 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.

IRS21853SPBF Payment Methods



















IRS21853SPBF Shipping Methods













If you have any question about IRS21853SPBF, please do not hesitate to contact us!

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