



IRS21171STRPBF Information



For Reference Only

Part Number IRS21171STRPBF

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER HI SIDE SGL 600V 8SOIC

Package 8-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



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IRS21171STRPBF Specifications

Manufacturer Part NumberIRS21171STRPBFManufacturerInfineon TechnologiesCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHigh-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2.5VCurrent - Peak Output (Source, Sink)290mA, 600mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)75ns, 35nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)		
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Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration High-Side Channel Type Single Number of Drivers 1 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.5V Current - Peak Output (Source, Sink) 290mA, 600mA Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 75ns, 35ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount	Manufacturer	Infineon Technologies
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Gate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 75ns, 35ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type IGBT, N-Channel MOSFET 10 V ~ 20 V 0.8V, 2.5V 290mA, 600mA Non-Inverting 600V 75ns, 35ns Operating Temperature -40°C ~ 150°C (TJ) Surface Mount	Channel Type	Single
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Logic Voltage - VIL, VIH0.8V, 2.5VCurrent - Peak Output (Source, Sink)290mA, 600mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)75ns, 35nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface Mount	Gate Type	IGBT, 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 Surface Mount	Voltage - Supply	10 V ~ 20 V
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Rise / Fall Time (Typ) 75ns, 35ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface 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)	600V
Mounting Type Surface Mount	Rise / Fall Time (Typ)	75ns, 35ns
	Operating Temperature	-40°C ~ 150°C (TJ)
Package / Case 8-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package 8-SOIC	Supplier Device Package	8-SOIC
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Quality Guarantees

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IRS21171STRPBF Payment Methods



















IRS21171STRPBF Shipping Methods













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