

# IR2128SPBF

#### **IR2128SPBF** Information



## **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.



## **IR2128SPBF** Specifications

Manufacturer Part Number IR2128SPBF   Manufacturer Infineon Technologies   Category Integrated Circuits (ICs)   PARCAGE Drivers PMIC - Gate Drivers   Package 8-SOIC (0.154", 3.90mm Width)   Series -   Driven Configuration High-Side or Low-Side   Channel Type Single   Number of Drivers 1   Gate Type IGBT, N-Channel MOSFET   Voltage - Supply 12 V ~ 20 V   Logic Voltage - VIL, VIH 08V, 3V   Current - Peak Output (Source, Sink) 250mA, 500mA   Input Type Inverting   High Side Voltage - Max (Bootstrap) 600V   Operating Temperature 40°C ~ 150°C (TJ)   Mounting Type Surface Mount   Package / Case ScolIC (0.154", 3.90mm Width)		
CategoryIntegrated Circuis (ICs) PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel MOSFETVoltage - Supply12 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)250mA, 500mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VKise / Fall Time (Typ)80ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	IR2128SPBF
PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel MOSFETVoltage - Supply12 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)250mA, 500mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)80ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Manufacturer	Infineon Technologies
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Series-Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel MOSFETVoltage - Supply12 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)250mA, 500mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VKise / Fall Time (Typ)80ns, 40nsOperating Temperature40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)		PMIC - Gate Drivers
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Channel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel MOSFETVoltage - Supply12 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)250mA, 500mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)80ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Series	-
Number of Drivers1Gate TypeIGBT, N-Channel MOSFETVoltage - Supply12 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)250mA, 500mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)80ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Driven Configuration	High-Side or Low-Side
Gate TypeIGBT, N-Channel MOSFETVoltage - Supply12 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)250mA, 500mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)Sons, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Channel Type	Single
Voltage - Supply12 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)250mA, 500mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)80ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Number of Drivers	1
Logic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)250mA, 500mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)80ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Gate Type	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink)250mA, 500mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)80ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Voltage - Supply	12 V ~ 20 V
Input TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)80ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Logic Voltage - VIL, VIH	0.8V, 3V
High Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)80ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Current - Peak Output (Source, Sink)	250mA, 500mA
Rise / Fall Time (Typ)80ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Input Type	Inverting
Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	High Side Voltage - Max (Bootstrap)	600V
Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Rise / Fall Time (Typ)	80ns, 40ns
Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package 8-SOIC	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
		Report errors?

#### **IR2128SPBF** 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 GUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.



If you have any question about IR2128SPBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com