

1EDI20I12MHXUMA1

1EDI20I12MHXUMA1 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.



1EDI20I12MHXUMA1 Specifications

Manufacturer Part NumberIEDI20112MHXUMA1ManufacturerInfineon TechnologiesCategoryIntegrated Circuits (ICs)Package8-SOIC (0.295", 7.50mm Width)Package8-SOIC (0.295", 7.50mm Width)SeriesEiceDriversDriven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of DriversIGate TypeIGBTVoltage - SupplyI 3 V ~ 18 VLogic Voltage - VIL, VIHJ.SV, 3.5VCurrent - Peak Output (Source, Sink)J.SA, 3.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)Jons, 9nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSource, Sink)Package / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-SOSO		
CategoryIntegrated Circuits (ICs)PackagePMIC - Gate DriversPackage8-SOIC (0.295", 7.50mm Width)SeriesEiceDriver?Driven ConfigurationHigh-Side or Low-SideChanel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply1.5V, 3.5VLogic Voltage - VIL, VIH1.5V, 3.5VCurrent - Peak Output (Source, Sink)3.5A, 3.2AInput TypeNon-InvertingHigh Side Voltage - Max (Boostrap)1000VRise / Fall Time (Typ)10ns, 9nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSourdPackage / Case8-SOIC (0.295", 7.50mm Width)	Manufacturer Part Number	1EDI20I12MHXUMA1
PackagePMC - Gate DriversPackage8-SOIC (0.295", 7.50mm Width)SeriesEiceDriver?Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply13 V ~ 18 VLogic Voltage - VIL, VIH1.5V, 3.5VCurrent - Peak Output (Source, Sink)3.5A, 3.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)100VKise / Fall Time (Typ)010s, 9nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)	Manufacturer	Infineon Technologies
Package 8-SOIC (0.295", 7.50mm Width) Series EiceDriver? Driven Configuration High-Side or Low-Side Channel Type Single Number of Drivers 1 Gate Type IGBT Voltage - Supply 1.5V, 3.5V Logic Voltage - VIL, VIH 3.5A, 3.2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 100V Ster Fall Time (Typ) Jons, 9ns Operating Temperature 40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.295", 7.50mm Width)	Category	Integrated Circuits (ICs)
SeriesEiceDriver?Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply13 V ~ 18 VLogic Voltage - VIL, VIH1.5V, 3.5VCurrent - Peak Output (Source, Sink)3.5A, 3.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)100VRise / Fall Time (Typ)10ns, 9nsOperating Temperature40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO		PMIC - Gate Drivers
InterformDriven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply13 V ~ 18 VLogic Voltage - VIL, VIH1.5V, 3.5VCurrent - Peak Output (Source, Sink)3.5A, 3.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)100VRise / Fall Time (Typ)10ns, 9nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO	Package	8-SOIC (0.295", 7.50mm Width)
Channel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply13 V ~ 18 VLogic Voltage - VIL, VIH1.5V, 3.5VCurrent - Peak Output (Source, Sink)3.5A, 3.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)-40°C ~ 150°C (TJ)Operating TemperatureSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO	Series	EiceDriver?
Number of Drivers1Gate TypeIGBTVoltage - Supply13 V ~ 18 VLogic Voltage - VIL, VIH1.5V, 3.5VCurrent - Peak Output (Source, Sink)3.5A, 3.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)10ns, 9nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO	Driven Configuration	High-Side or Low-Side
Gate TypeIGBTVoltage - Supply13 V ~ 18 VLogic Voltage - VIL, VIH1.5V, 3.5VCurrent - Peak Output (Source, Sink)3.5A, 3.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)10ns, 9nsOperating Temperature40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO	Channel Type	Single
Voltage - Supply13 V ~ 18 VLogic Voltage - VIL, VIH1.5V, 3.5VCurrent - Peak Output (Source, Sink)3.5A, 3.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)10ns, 9nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO	Number of Drivers	1
Logic Voltage - VIL, VIH1.5V, 3.5VCurrent - Peak Output (Source, Sink)3.5A, 3.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)10ns, 9nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO	Gate Type	IGBT
Current - Peak Output (Source, Sink)3.5A, 3.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)10ns, 9nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO	Voltage - Supply	13 V ~ 18 V
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)10ns, 9nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO	Logic Voltage - VIL, VIH	1.5V, 3.5V
High Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)10ns, 9nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO	Current - Peak Output (Source, Sink)	3.5A, 3.2A
Rise / Fall Time (Typ)10ns, 9nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO	Input Type	Non-Inverting
Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO	High Side Voltage - Max (Bootstrap)	1200V
Mounting TypeSurface MountPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO	Rise / Fall Time (Typ)	10ns, 9ns
Package / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-DSO	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package 8-DSO	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.295", 7.50mm Width)
	Supplier Device Package	8-DSO
Report errors?		Report errors?

1EDI20I12MHXUMA1 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.

1EDI20I12MHXUMA1 Payment Methods



If you have any question about 1EDI20I12MHXUMA1, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com