

ISL6625AIRZ-T

ISL6625AIRZ-T 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.



ISL6625AIRZ-T Specifications

High Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)31ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)		
CategoryIntegrated Circuits (ICs)PAckagePMIC - Gate DriversPackage8-VFDFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply5.5 V ~ 13.2 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink), 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)31ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	Manufacturer Part Number	ISL6625AIRZ-T
PMIC - Gate DriversPackage8-VFDFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply5.5 V ~ 13.2 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink), 3AInput TypeSofVHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)JIns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	Manufacturer	Renesas Electronics America
Package8-VFDFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply5.5 V ~ 13.2 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)7, 3AInput TypeSoft-NerringHigh Side Voltage - Max (Bootstrap)36VSter Fall Time (Typ)Jins, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (22)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply5.5 V ~ 13.2 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-, 3AInput TypeSolvHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)31ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)		PMIC - Gate Drivers
InitialHalf-BridgeDriven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply5.5 V ~ 13.2 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)31ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	Package	8-VFDFN Exposed Pad
Channel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply5.5 V ~ 13.2 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	Series	-
Number of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply $5.5 V ~ 13.2 V$ Logic Voltage - VIL, VIH-Current - Peak Output (Source, Sink) $, 3A$ Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap) $36V$ Rise / Fall Time (Typ) $31ns, 18ns$ Operating Temperature $40^{\circ}C ~ 125^{\circ}C$ (TJ)Mounting TypeSurface MountPackage / Case $8-VFDFN Exposed Pad$ Supplier Device Package $8-DFN-EP$ (2x2)	Driven Configuration	Half-Bridge
Gate TypeN-Channel MOSFETVoltage - Supply5.5 V ~ 13.2 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)31ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	Channel Type	Synchronous
Voltage - Supply5.5 V ~ 13.2 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)31ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	Number of Drivers	2
Logic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)31ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink)-, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)31ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	Voltage - Supply	5.5 V ~ 13.2 V
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)31ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	Logic Voltage - VIL, VIH	-
High Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)31ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	Current - Peak Output (Source, Sink)	-, 3A
Rise / Fall Time (Typ)31ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	Input Type	Non-Inverting
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	High Side Voltage - Max (Bootstrap)	36V
Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	Rise / Fall Time (Typ)	31ns, 18ns
Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN-EP (2x2)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package8-DFN-EP (2x2)	Mounting Type	Surface Mount
	Package / Case	8-VFDFN Exposed Pad
Report errors?	Supplier Device Package	8-DFN-EP (2x2)
		Report errors?

ISL6625AIRZ-T 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 BUARANTEE

Service Guarantees

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

ISL6625AIRZ-T Payment Methods



ISL6625AIRZ-T Shipping Methods



If you have any question about ISL6625AIRZ-T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com