

# ISL6605CBZ-T

Quote

#### **ISL6605CBZ-T Information**

Washingtsener.com	Part Number	ISL6605CBZ-T	
	Manufacturer	Intersil	
	Category	Integrated Circuits (ICs) PMIC - Gate Drivers	- 2001
	Description	IC MOSFET DRVR SYNC BUCK 8-SOIC	- <b>3</b> 272
	Package	8-SOIC (0.154", 3.90mm Width)	<b>1</b> 2
		For the pricing/inventory/lead time, please contact us	
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a

# **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.



# **ISL6605CBZ-T Specifications**

Manufacturer Intersil   Category Integrated Circuits (ICs)   PMIC - Gate Drivers PMIC - Gate Drivers   Package 8-SOIC (0.154", 3.90mm Width)   Series -   Driven Configuration Half-Bridge   Channel Type Synchronous   Number of Drivers 2   Gate Type N-Channel MOSFET   Voltage - Supply 4.5 V ~ 5.5 V   Logic Voltage - VIL, VIH 1V, 2V   Current - Peak Output (Source, Sink) 2A, 2A   High Side Voltage - Max (Bootstrap) 33V   Rise / Fall Time (Typ) Sns, 8ns   Operating Temperature 0°C ~ 125°C (TJ)   Mounting Type Surface Mount   Package / Case 8-SOIC (0.154", 3.90mm Width)		
CategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIHIV, 2VCurrent - Peak Output (Source, Sink)33VRise / Fall Time (Typ)Sns, SnsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	ISL6605CBZ-T
PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIHIV, 2VCurrent - Peak Output (Source, Sink)33VHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Manufacturer	Intersil
Package8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIHIV, 2VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)Sns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIHIV, 2VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)		PMIC - Gate Drivers
Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIHIV, 2VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Package	8-SOIC (0.154", 3.90mm Width)
Channel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH1V, 2VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Series	-
Number of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH1V, 2VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Driven Configuration	Half-Bridge
Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH1V, 2VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Channel Type	Synchronous
Voltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH1V, 2VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Number of Drivers	2
Logic Voltage - VIL, VIH1V, 2VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Voltage - Supply	4.5 V ~ 5.5 V
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Logic Voltage - VIL, VIH	1V, 2V
High Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Current - Peak Output (Source, Sink)	2A, 2A
Rise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Input Type	Non-Inverting
Operating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	High Side Voltage - Max (Bootstrap)	33V
Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Rise / Fall Time (Typ)	8ns, 8ns
Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	0°C ~ 125°C (TJ)
-	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package 8-SOIC	Supplier Device Package	8-SOIC
Report errors?		Report errors?

#### **ISL6605CBZ-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.

# ISL6605CBZ-T Payment Methods



### ISL6605CBZ-T Shipping Methods



If you have any question about ISL6605CBZ-T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com