



#### **ISL89163FBEAZ-T Information**



For Reference Only

Part Number ISL89163FBEAZ-T

Manufacturer Intersil

Category Integrated Circuits (ICs)

**PMIC - Gate Drivers** 

**Description** MOSFET DRIVER 2CH 3.3V 6A 8SOIC **Package** 8-SOIC (0.154", 3.90mm Width) Exposed Package

ge 8-SOIC (0.154", 3.90mm Width) Exposed Pad For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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# **Certified Quality**

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## **ISL89163FBEAZ-T Specifications**

Manufacturer Part Number  Manufacturer  Intersil  Intergrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-SOIC (0.154", 3.90mm Width) Exposed Pad  Series  - Driven Configuration  Low-Side Independent  Number of Drivers  2 Gate Type  N-Channel MOSFET  Voltage - Supply  4.5 V ~ 16 V  Logic Voltage - VIL, VIH  1.22V, 2.08V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  4-0°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  Report errors?		
Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-SOIC (0.154", 3.90mm Width) Exposed Pad  Series  - Driven Configuration  Low-Side  Channel Type  Independent  Number of Drivers  2 Gate Type  N-Channel MOSFET  Voltage - Supply  4.5 V ~ 16 V  Logic Voltage - VIL, VIH  1.22V, 2.08V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width) Exposed Pad  Supplier Device Package	Manufacturer Part Number	ISL89163FBEAZ-T
Package 8-SOIC (0.154", 3.90mm Width) Exposed Pad  Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET  Voltage - Supply 4.5 V ~ 16 V Logic Voltage - VIL, VIH 1.22V, 2.08V  Current - Peak Output (Source, Sink) 6A, 6A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 20ns, 20ns  Operating Temperature -40°C ~ 125°C (TJ)  Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package	Manufacturer	Intersil
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Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH1.22V, 2.08VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 20nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP		PMIC - Gate Drivers
Driven Configuration  Channel Type  Independent  Number of Drivers  2  Gate Type  N-Channel MOSFET  Voltage - Supply  4.5 V ~ 16 V  Logic Voltage - VIL, VIH  1.22V, 2.08V  Current - Peak Output (Source, Sink)  6A, 6A  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width) Exposed Pad  Supplier Device Package	Package	8-SOIC (0.154", 3.90mm Width) Exposed Pad
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Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH1.22V, 2.08VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 20nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Channel Type	Independent
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Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package 8-SOIC-EP	Rise / Fall Time (Typ)	20ns, 20ns
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Supplier Device Package 8-SOIC-EP	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width) Exposed Pad
Report errors?	Supplier Device Package	8-SOIC-EP
Title		Report errors?

#### **ISL89163FBEAZ-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 Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### ISL89163FBEAZ-T Payment Methods



















## ISL89163FBEAZ-T Shipping Methods













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