



### **EL7242CSZ-T13 Information**

www.hersener.com

For Reference Only

Part Number EL7242CSZ-T13

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC DRIVER MOSFET DUAL HS 8-SOIC

**Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

# **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.









# **EL7242CSZ-T13 Specifications**

Manufacturer Part NumberEL7242CSZ-T13ManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC		
Category  Package  Package  Resolt (0.154", 3.90mm Width)  Series  Low-Side  Channel Type  Independent  Number of Drivers  2  Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Pisse / Fall Time (Typ)  Operating Temperature  August Au	Manufacturer Part Number	EL7242CSZ-T13
Package 8-SOIC (0.154", 3.90mm Width)  Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 16 V Logic Voltage - VIL, VIH 0.8V, 2.4V Current - Peak Output (Source, Sink) 2A, 2A Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 10ns, 10ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Manufacturer	Renesas Electronics America
Package8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC		PMIC - Gate Drivers
Driven Configuration  Channel Type  Independent  Number of Drivers  2  Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Inverting, 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)  Supplier Device Package	Package	8-SOIC (0.154", 3.90mm Width)
Channel Type Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 16 V Logic Voltage - VIL, VIH 0.8V, 2.4V Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 10ns, 10ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Series	-
Number of Drivers  Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  4.5 V ~ 16 V  Logic Voltage - VIL, VIH  0.8V, 2.4V  Current - Peak Output (Source, Sink)  Input Type  Inverting, 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)  Supplier Device Package	Driven Configuration	Low-Side
Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  4.5 V ~ 16 V  Logic Voltage - VIL, VIH  0.8V, 2.4V  Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  10ns, 10ns  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Channel Type	Independent
Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2.4V  Current - Peak Output (Source, Sink)  Input Type  Inverting, 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)  Supplier Device Package	Number of Drivers	2
Logic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink)  Input Type  Inverting, 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)  Supplier Device Package	Voltage - Supply	4.5 V ~ 16 V
Input Type  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)  Supplier Device Package	Logic Voltage - VIL, VIH	0.8V, 2.4V
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)  Supplier Device Package	Current - Peak Output (Source, Sink)	2A, 2A
Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	Input Type	Inverting, Non-Inverting
Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Rise / Fall Time (Typ)	10ns, 10ns
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 125°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?

#### **EL7242CSZ-T13 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.

### **EL7242CSZ-T13 Payment Methods**



















## **EL7242CSZ-T13 Shipping Methods**













If you have any question about EL7242CSZ-T13, please do not hesitate to contact us!

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