

EL7457CSZ Information

www.helsene.com

For Reference Only

Part Number EL7457CSZ

Manufacturer Intersil

Category Integrated Circuits (ICs)

PMIC - Gate Drivers

Description IC DVR CMOS QUAD 40MHZ 16-SOIC

Package 16-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.









EL7457CSZ Specifications

Manufacturer Part Number Manufacturer Intersil Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 16-SOIC (0.154", 3.90mm Width) Series - Driven Configuration High-Side or Low-Side Channel Type Independent Number of Drivers 4 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 13.5ns, 13ns Operating Temperature 40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 16-SOIC (0.154", 3.90mm Width) Series - Driven Configuration High-Side or Low-Side Channel Type Independent Number of Drivers 4 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 13.5ns, 13ns Operating Temperature Au°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Manufacturer Part Number	EL7457CSZ
Package 16-SOIC (0.154", 3.90mm Width) Series - Driven Configuration High-Side or Low-Side Channel Type Independent Number of Drivers 4 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 13.5ns, 13ns Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Manufacturer	Intersil
Package 16-SOIC (0.154", 3.90mm Width) Series - Driven Configuration High-Side or Low-Side Channel Type Independent Number of Drivers 4 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 13.5ns, 13ns Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Category	Integrated Circuits (ICs)
Series - Driven Configuration High-Side or Low-Side Channel Type Independent Number of Drivers 4 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 13.5ns, 13ns Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package		PMIC - Gate Drivers
Driven Configuration Channel Type Independent Number of Drivers 4 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 13.5ns, 13ns Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Package	16-SOIC (0.154", 3.90mm Width)
Channel Type Number of Drivers 4 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 1nput Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 13.5ns, 13ns Operating Temperature 40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-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 ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Driven Configuration	High-Side or Low-Side
Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 13.5ns, 13ns Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Channel Type	Independent
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 13.5ns, 13ns Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Number of Drivers	4
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Voltage - Supply	4.5 V ~ 18 V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Current - Peak Output (Source, Sink)	2A, 2A
Rise / Fall Time (Typ) Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Input Type	Non-Inverting
Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Rise / Fall Time (Typ)	13.5ns, 13ns
Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 16-SOIC	Mounting Type	Surface Mount
	Package / Case	16-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

EL7457CSZ 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.

EL7457CSZ Payment Methods





















EL7457CSZ Shipping Methods













If you have any question about EL7457CSZ, please do not hesitate to contact us!

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