

SI88442ED-IS Information


For Reference Only

Part Number [SI88442ED-IS](#)
Manufacturer Silicon Labs
Category Isolators
 [Digital Isolators](#)
Description DGTL ISO 5KV 4CH GEN PURP 20SOIC
Package -
 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.


SI88442ED-IS Specifications

Manufacturer Part Number	SI88442ED-IS
Manufacturer	Silicon Labs
Category	Isolators Digital Isolators
Package	-
Series	Automotive, AEC-Q100
Technology	Capacitive Coupling
Type	General Purpose
Isolated Power	No
Number of Channels	4
Inputs - Side 1/Side 2	2/2
Channel Type	Unidirectional
Voltage - Isolation	5000Vrms
Common Mode Transient Immunity (Min)	40kV/μs
Data Rate	100Mbps
Propagation Delay tpLH / tpHL (Max)	12.6ns, 17.5ns (Typ)
Pulse Width Distortion (Max)	4.8ns (Typ)
Rise / Fall Time (Typ)	2.5ns, 2.5ns
Voltage - Supply	3 V ~ 5.5 V
Operating Temperature	-40°C ~ 125°C
Package / Case	-
Supplier Device Package	-

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SI88442ED-IS 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.

SI88442ED-IS Payment Methods



SI88442ED-IS Shipping Methods



If you have any question about SI88442ED-IS, please do not hesitate to contact us!

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