



ISL8391IB Information

For Reference Only

Part Number ISL8391IB

Manufacturer Renesas Electronics America
Category Integrated Circuits (ICs)

Interface - Analog Switches, Multiplexers,

Demultiplexers

Description IC SWITCH QUAD SPST 16SOIC **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



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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.









ISL8391IB Specifications

Manufacturer Part Number ISL8391IB Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Interface - Analog Switches, Multiplexers, Demultiplexers Package 16-SOIC (0.154", 3.90mm Width) Series - Switch Circuit SPST - NC Multiplexer/Demultiplexer Circuit 1:1 Number of Circuits 4 On-State Resistance (Max) 35 Ohm Channel-to-Channel Matching (Ron) 300 mOhm Voltage - Supply, Single (V+) 2 V ~ 12 V Voltage - Supply, Dual (V±) ±2 V ~ 6 V Switch Time (Ton, Toff) (Max) 130ns, 75ns -3db Bandwidth - Charge Injection 5pC (Max) Channel Capacitance (CS(off), CD(off)) - Current - Leakage (IS(off)) (Max) 100pA Crosstalk -89dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	*	
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On-State Resistance (Max) Channel-to-Channel Matching (Ron) 300 mOhm Voltage - Supply, Single (V+) 2 V ~ 12 V Voltage - Supply, Dual (V±) 5 witch Time (Ton, Toff) (Max) 130ns, 75ns -3db Bandwidth - Charge Injection 5pC (Max) Channel Capacitance (CS(off), CD(off)) - Current - Leakage (IS(off)) (Max) 100pA Crosstalk -89dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Multiplexer/Demultiplexer Circuit	1:1
Channel-to-Channel Matching (Ron) Voltage - Supply, Single (V+) 2 V ~ 12 V Voltage - Supply, Dual (V±) \$\frac{\pmatch{\text{2}}}{2}\$ V ~ 6 V Switch Time (Ton, Toff) (Max) -3db Bandwidth - Charge Injection \$\frac{\pmatch{\text{5pC}}}{2}\$ (Max) Channel Capacitance (CS(off), CD(off)) - Current - Leakage (IS(off)) (Max) 100pA Crosstalk -89dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Number of Circuits	4
Voltage - Supply, Single (V+) $2 \text{ V} \sim 12 \text{ V}$ Voltage - Supply, Dual (V±) $\pm 2 \text{ V} \sim 6 \text{ V}$ Switch Time (Ton, Toff) (Max) 130ns , 75ns - 3db Bandwidth $-$ Charge Injection 5pC (Max) Channel Capacitance (CS(off), CD(off)) $-$ Current - Leakage (IS(off)) (Max) 100pA Crosstalk -89dB @ 1MHz Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	On-State Resistance (Max)	35 Ohm
Voltage - Supply, Dual (V±) ±2 V ~ 6 V Switch Time (Ton, Toff) (Max) 130ns, 75ns -3db Bandwidth - Charge Injection 5pC (Max) Channel Capacitance (CS(off), CD(off)) - Current - Leakage (IS(off)) (Max) 100pA Crosstalk -89dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Channel-to-Channel Matching (Ron)	300 mOhm
Switch Time (Ton, Toff) (Max) -3db Bandwidth -Charge Injection 5pC (Max) Channel Capacitance (CS(off), CD(off)) -Current - Leakage (IS(off)) (Max) Crosstalk -89dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Voltage - Supply, Single (V+)	2 V ~ 12 V
-3db Bandwidth - Charge Injection 5pC (Max) Channel Capacitance (CS(off), CD(off)) - Current - Leakage (IS(off)) (Max) 100pA Crosstalk -89dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Voltage - Supply, Dual (V±)	±2 V ~ 6 V
Charge Injection 5pC (Max) Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) 100pA Crosstalk -89dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Switch Time (Ton, Toff) (Max)	130ns, 75ns
Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) 100pA Crosstalk -89dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	-3db Bandwidth	-
Current - Leakage (IS(off)) (Max) Crosstalk -89dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Charge Injection	5pC (Max)
Crosstalk -89dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Channel Capacitance (CS(off), CD(off))	-
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)}$ Package / Case $16\text{-SOIC (0.154'', 3.90mm Width)}$ Supplier Device Package 16-SOIC	Current - Leakage (IS(off)) (Max)	100pA
Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Crosstalk	-89dB @ 1MHz
Supplier Device Package 16-SOIC	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
	Package / Case	16-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

ISL8391IB 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.

ISL8391IB Payment Methods





















ISL8391IB Shipping Methods













If you have any question about ISL8391IB, please do not hesitate to contact us!

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