

ISL84052IB Information

Part Number ISL84052IB

Manufacturer Renesas Electronics America
Category Integrated Circuits (ICs)

Interface - Analog Switches, Multiplexers,

Demultiplexers

Description IC MUX/DEMUX DUAL 4X1 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

For Reference Only

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.









ISL84052IB Specifications

Manufacturer Part Number ISL84052IB Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Interface - Analog Switches, Multiplexers, Demultiplexers Package 16-SOIC (0.154", 3.90mm Width) Series - Switch Circuit SP4T Multiplexer/Demultiplexer Circuit 4:1 Number of Circuits 2 On-State Resistance (Max) 100 Ohm Channel-to-Channel Matching (Ron) 6 Ohm (Max) Voltage - Supply, Single (V+) 2 V ~ 12 V Voltage - Supply, Dual (V±) ±2 V ~ 6 V Switch Time (Ton, Toff) (Max) 50ns, 40ns -3db Bandwidth - -Charge Injection 2pC Channel Capacitance (CS(off), CD(off)) 3pF, 12pF Current - Leakage (IS(off)) (Max) 2pA (Typ) Crosstalk - 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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Switch Circuit Multiplexer/Demultiplexer Circuit A:1 Number of Circuits Cn-State Resistance (Max) Channel-to-Channel Matching (Ron) Voltage - Supply, Single (V+) Voltage - Supply, Dual (V±) Switch Time (Ton, Toff) (Max) -3db Bandwidth -Charge Injection Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Package	16-SOIC (0.154", 3.90mm Width)
Multiplexer/Demultiplexer Circuit Number of Circuits 2 On-State Resistance (Max) Channel-to-Channel Matching (Ron) Voltage - Supply, Single (V+) Voltage - Supply, Dual (V±) Switch Time (Ton, Toff) (Max) -3db Bandwidth -Channel Capacitance (CS(off), CD(off)) Channel Capacitance (CS(off)) Current - Leakage (IS(off)) (Max) Crosstalk - Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC 100 Ohm 6 Ohm (Max) 2 V ~ 12 V 2 V ~ 12 V 2 V ~ 12 V 2 V ~ 6 V 50ns, 40ns -2 C 2pC Channel Capacitance (CS(off), CD(off)) 3pF, 12pF Current - Leakage (IS(off)) (Max) 2pA (Typ) Crosstalk - Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width)	Series	-
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On-State Resistance (Max) Channel-to-Channel Matching (Ron) Voltage - Supply, Single (V+) Voltage - Supply, Dual (V±) Switch Time (Ton, Toff) (Max) -3db Bandwidth - Charge Injection Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Multiplexer/Demultiplexer Circuit	4:1
Channel-to-Channel Matching (Ron) Voltage - Supply, Single (V+) 2 V ~ 12 V Voltage - Supply, Dual (V±) 50ns, 40ns -3db Bandwidth - Charge Injection Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC 16-SOIC	Number of Circuits	2
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) 50ns , 40ns - 3db Bandwidth - Qharge Injection 2pC Channel Capacitance (CS(off), CD(off)) 3pF , 12pF Current - Leakage (IS(off)) (Max) 2pA (Typ) Crosstalk - Qperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Package / Case $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (O.154", 3.90mm Width) Supplier Device Package	On-State Resistance (Max)	100 Ohm
Voltage - Supply, Dual (V±) ±2 V ~ 6 V Switch Time (Ton, Toff) (Max) 50ns, 40ns -3db Bandwidth - Charge Injection 2pC Channel Capacitance (CS(off), CD(off)) 3pF, 12pF Current - Leakage (IS(off)) (Max) 2pA (Typ) Crosstalk - 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)	6 Ohm (Max)
Switch Time (Ton, Toff) (Max) -3db Bandwidth - Charge Injection Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk Operating Temperature Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Voltage - Supply, Single (V+)	2 V ~ 12 V
-3db Bandwidth Charge Injection 2pC Channel Capacitance (CS(off), CD(off)) 3pF, 12pF Current - Leakage (IS(off)) (Max) 2pA (Typ) Crosstalk Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Voltage - Supply, Dual (V±)	±2 V ~ 6 V
Charge Injection 2pC Channel Capacitance (CS(off), CD(off)) 3pF, 12pF Current - Leakage (IS(off)) (Max) 2pA (Typ) Crosstalk - 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)	50ns, 40ns
Channel Capacitance (CS(off), CD(off)) 3pF, 12pF Current - Leakage (IS(off)) (Max) 2pA (Typ) Crosstalk 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 Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Charge Injection	2pC
Crosstalk - 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))	3pF, 12pF
Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Current - Leakage (IS(off)) (Max)	2pA (Typ)
Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Crosstalk	-
Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 85°C (TA)
	Package / Case	16-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

ISL84052IB 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.

ISL84052IB Payment Methods





















ISL84052IB Shipping Methods













If you have any question about ISL84052IB, please do not hesitate to contact us!

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