

ISL84524IU Information



For Reference Only

Part Number ISL84524IU

Manufacturer Renesas Electronics America
Category Integrated Circuits (ICs)

Interface - Analog Switches, Multiplexers,

Demultiplexers

Description IC MUX/DEMUX 4X1 10MSOP

Package 10-TFSOP, 10-MSOP (0.118", 3.00mm 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

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ISL84524IU Specifications

Manufacturer Part Number ISL84524IU Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Interface - Analog Switches, Multiplexers, Demultiplexers Package 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Series - Switch Circuit SP4T Multiplexer/Demultiplexer Circuit 4:1 Number of Circuits 1 On-State Resistance (Max) 150 Ohm Channel-to-Channel Matching (Ron) 2 Ohm Voltage - Supply, Single (V+) 2 V ~ 12 V Voltage - Supply, Dual (V±) - Switch Time (Ton, Toff) (Max) 150ns, 120ns -3db Bandwidth - -Sabb Bandwidth - Charge Injection 0.8pC Channel Capacitance (CS(off), CD(off)) 4pF, 14pF Current - Leakage (IS(off)) (Max) InA Crosstalk -85dB @ IMHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	1	
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Multiplexer/Demultiplexer Circuit4:1Number of Circuits1On-State Resistance (Max)150 OhmChannel-to-Channel Matching (Ron)2 OhmVoltage - Supply, Single (V+)2 V ~ 12 VVoltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)150ns, 120ns-3db Bandwidth-Charge Injection0.8pCChannel Capacitance (CS(off), CD(off))4pF, 14pFCurrent - Leakage (IS(off)) (Max)1nACrosstalk-85dB @ 1MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width)Supplier Device Package10-MSOP	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 10-TFSOP, 10-MSOP 150 Nm 2 V ~ 12 V 150 Nm 2 V ~ 12 V 150 Nm 2 V ~ 12 V 150 Nm 150 Nm 150 Nm 2 V ~ 12 V 150 Nm 150 Nm	Multiplexer/Demultiplexer Circuit	4:1
Channel-to-Channel Matching (Ron) Voltage - Supply, Single (V+) 2 V ~ 12 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 -85dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package	Number of Circuits	1
Voltage - Supply, Single (V+) $2 \ V \sim 12 \ V$ Voltage - Supply, Dual (V±) - Switch Time (Ton, Toff) (Max) 150ns, 120ns - 3db Bandwidth - Charge Injection 0.8pC Channel Capacitance (CS(off), CD(off)) 4pF, 14pF Current - Leakage (IS(off)) (Max) 1nA Crosstalk -85dB @ 1MHz Operating Temperature -40°C ~ 85 °C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	On-State Resistance (Max)	150 Ohm
Voltage - Supply, Dual (V±) Switch Time (Ton, Toff) (Max) -3db Bandwidth -Charge Injection Change Injection Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk -85dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package	Channel-to-Channel Matching (Ron)	2 Ohm
Switch Time (Ton, Toff) (Max) -3db Bandwidth - Charge Injection Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk -85dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package	Voltage - Supply, Single (V+)	2 V ~ 12 V
-3db Bandwidth - 0.8pC Charge Injection 0.8pC Channel Capacitance (CS(off), CD(off)) 4pF, 14pF Current - Leakage (IS(off)) (Max) 1nA Crosstalk -85dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Voltage - Supply, Dual (V±)	-
Charge Injection 0.8pC Channel Capacitance (CS(off), CD(off)) 4pF, 14pF Current - Leakage (IS(off)) (Max) 1nA Crosstalk -85dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Switch Time (Ton, Toff) (Max)	150ns, 120ns
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Current - Leakage (IS(off)) (Max) 1nA Crosstalk -85dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Charge Injection	0.8pC
Crosstalk -85dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Channel Capacitance (CS(off), CD(off))	4pF, 14pF
Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Current - Leakage (IS(off)) (Max)	1nA
Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Crosstalk	-85dB @ 1MHz
Supplier Device Package 10-MSOP	Operating Temperature	-40°C ~ 85°C (TA)
	Package / Case	10-TFSOP, 10-MSOP (0.118", 3.00mm Width)
Report errors?	Supplier Device Package	10-MSOP
		Report errors?

ISL84524IU 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.

ISL84524IU Payment Methods





















ISL84524IU Shipping Methods













If you have any question about ISL84524IU, please do not hesitate to contact us!

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