



#### ISL84515IBZ-T Information

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For Reference Only

Part Number ISL84515IBZ-T

Manufacturer Intersil

Category Integrated Circuits (ICs)

Interface - Analog Switches, Multiplexers,

**Demultiplexers** 

**Description** IC SWITCH SPST 8SOIC

**Package** 8-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.









# **ISL84515IBZ-T Specifications**

Manufacturer Part Number         ISL84515IBZ-T           Manufacturer         Intersil           Category         Integrated Circuits (ICs)           Interface - Analog Switches, Multiplexers, Demultiplexers           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Switch Circuit         SPST - NC           Multiplexer/Demultiplexer Circuit         1:1           Number of Circuits         1           On-State Resistance (Max)         20 Ohm           Channel-to-Channel Matching (Ron)         -           Voltage - Supply, Single (V+)         2.4 V ~ 12 V           Voltage - Supply, Dual (V±)         -           Switch Time (Ton, Toff) (Max)         150ns, 100ns           -3db Bandwidth         -           Charge Injection         2pC           Channel Capacitance (CS(off), CD(off))         14pF, 14pF           Current - Leakage (IS(off)) (Max)         InA           Crosstalk         -           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC	•	
Category         Integrated Circuits (ICs)           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Switch Circuit         SPST - NC           Multiplexer/Demultiplexer Circuit         1:1           Number of Circuits         1           On-State Resistance (Max)         20 Ohm           Channel-to-Channel Matching (Ron)         -           Voltage - Supply, Single (V+)         2.4 V ~ 12 V           Voltage - Supply, Dual (V±)         -           Switch Time (Ton, Toff) (Max)         150ns, 100ns           -3db Bandwidth         -           Charge Injection         2pC           Channel Capacitance (CS(off), CD(off))         14pF, 14pF           Current - Leakage (IS(off)) (Max)         InA           Crosstalk         -           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC	Manufacturer Part Number	ISL84515IBZ-T
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Series         -           Switch Circuit         SPST - NC           Multiplexer/Demultiplexer Circuit         1:1           Number of Circuits         1           On-State Resistance (Max)         20 Ohm           Channel-to-Channel Matching (Ron)         -           Voltage - Supply, Single (V+)         2.4 V ~ 12 V           Voltage - Supply, Dual (V±)         -           Switch Time (Ton, Toff) (Max)         150ns, 100ns           -3db Bandwidth         -           Charge Injection         2pC           Channel Capacitance (CS(off), CD(off))         14pF, 14pF           Current - Leakage (IS(off)) (Max)         InA           Crosstalk         -           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC		Interface - Analog Switches, Multiplexers, Demultiplexers
Switch Circuit  Multiplexer/Demultiplexer Circuit  1:1  Number of Circuits  1  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))  14pF, 14pF  Current - Leakage (IS(off)) (Max)  1nA  Crosstalk  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Package	8-SOIC (0.154", 3.90mm Width)
Multiplexer/Demultiplexer Circuit  Number of Circuits  1  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  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Series	-
Number of Circuits       1         On-State Resistance (Max)       20 Ohm         Channel-to-Channel Matching (Ron)       -         Voltage - Supply, Single (V+)       2.4 V ~ 12 V         Voltage - Supply, Dual (V±)       -         Switch Time (Ton, Toff) (Max)       150ns, 100ns         -3db Bandwidth       -         Charge Injection       2pC         Channel Capacitance (CS(off), CD(off))       14pF, 14pF         Current - Leakage (IS(off)) (Max)       1nA         Crosstalk       -         Operating Temperature       -40°C ~ 85°C (TA)         Package / Case       8-SOIC (0.154", 3.90mm Width)         Supplier Device Package       8-SOIC	Switch Circuit	SPST - NC
On-State Resistance (Max) Channel-to-Channel Matching (Ron)  Voltage - Supply, Single (V+) 2.4 V ~ 12 V  Voltage - Supply, Dual (V±) Switch Time (Ton, Toff) (Max) 150ns, 100ns -3db Bandwidth - Charge Injection 2pC Channel Capacitance (CS(off), CD(off)) 14pF, 14pF Current - Leakage (IS(off)) (Max) 1nA  Crosstalk Operating Temperature -40°C ~ 85°C (TA)  Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Multiplexer/Demultiplexer Circuit	1:1
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))  14pF, 14pF  Current - Leakage (IS(off)) (Max)  1nA  Crosstalk  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Number of Circuits	1
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  Package / Case  Supplier Device Package  8-SOIC	On-State Resistance (Max)	20 Ohm
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  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  - Soin Soin Soin Soin Soin Soin Soin Soin	Channel-to-Channel Matching (Ron)	-
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  Supplier Device Package  8-SOIC  150ns, 100ns  -4pC  -4pC	Voltage - Supply, Single (V+)	2.4 V ~ 12 V
-3db Bandwidth - Charge Injection 2pC  Channel Capacitance (CS(off), CD(off)) 14pF, 14pF  Current - Leakage (IS(off)) (Max) 1nA  Crosstalk - Operating Temperature -40°C ~ 85°C (TA)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Voltage - Supply, Dual (V±)	-
Charge Injection 2pC Channel Capacitance (CS(off), CD(off)) 14pF, 14pF Current - Leakage (IS(off)) (Max) 1nA Crosstalk - Operating Temperature -40°C ~ 85°C (TA) Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Switch Time (Ton, Toff) (Max)	150ns, 100ns
Channel Capacitance (CS(off), CD(off))  14pF, 14pF  Current - Leakage (IS(off)) (Max)  1nA  Crosstalk  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	-3db Bandwidth	-
Current - Leakage (IS(off)) (Max)  Crosstalk  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	Charge Injection	2pC
Crosstalk - Operating Temperature -40°C ~ 85°C (TA)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Channel Capacitance (CS(off), CD(off))	14pF, 14pF
Operating Temperature -40°C ~ 85°C (TA)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Current - Leakage (IS(off)) (Max)	1nA
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Crosstalk	-
Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 85°C (TA)
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
		Report errors?

#### ISL84515IBZ-T 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.

# ISL84515IBZ-T Payment Methods



















### **ISL84515IBZ-T Shipping Methods**













If you have any question about ISL84515IBZ-T, please do not hesitate to contact us!

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