



TMUX136MRSER Information



For Reference Only

Part Number TMUX136MRSER

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Interface - Analog Switches, Multiplexers,

Demultiplexers

Description DUAL SPDT, LOW-CAPACITANCE, 6.1

Package 10-UFQFN

For the pricing/inventory/lead time, please contact

us

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



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TMUX136MRSER Specifications

Manufacturer Part Number TMUX136MRSER Manufacturer Texas Instruments Category Integrated Circuits (ICs) Package 10-UFQFN Series - Switch Circuit SPDT Multiplexer/Demultiplexer Circuit 2:1 Number of Circuits 2 On-State Resistance (Max) 9.5 Ohm Channel-to-Channel Matching (Ron) 100 mOhm Voltage - Supply, Single (V+) 2.3 V ~ 4.8 V Voltage - Supply, Dual (V±) - Switch Time (Ton, Toff) (Max) - -3db Bandwidth 6.1GHz Channel Capacitance (CS(off), CD(off)) 1.6pF, 1.6pF Current - Leakage (IS(off)) (Max) 2µA Crosstalk -37dB @ 240MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-UFQFN Supplier Device Package 10-UFQFN	•	
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Multiplexer/Demultiplexer Circuit $2:1$ Number of Circuits 2 On-State Resistance (Max) 9.5 Ohm Channel-to-Channel Matching (Ron) 100 mOhm Voltage - Supply, Single (V+) $2.3 \text{ V} \sim 4.8 \text{ V}$ Voltage - Supply, Dual (V \pm)-Switch Time (Ton, Toff) (Max)3db Bandwidth 6.1GHz Charge Injection-Channel Capacitance (CS(off), CD(off)) $1.6 \text{pF}, 1.6 \text{pF}$ Current - Leakage (IS(off)) (Max) $2 \mu \text{A}$ Crosstalk $-37 \text{dB} \otimes 240 \text{MHz}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} (TA)$ Package / Case 10-UFQFN Supplier Device Package $10 \text{-UQFN} (2.0x1.5)$	Series	-
Number of Circuits 2 On-State Resistance (Max) 9.5 Ohm Channel-to-Channel Matching (Ron) 100 mOhm Voltage - Supply, Single (V+) 2.3 V ~ 4.8 V Voltage - Supply, Dual (V±) - Switch Time (Ton, Toff) (Max) - -3db Bandwidth 6.1GHz Charge Injection - Channel Capacitance (CS(off), CD(off)) 1.6pF, 1.6pF Current - Leakage (IS(off)) (Max) 2μA Crosstalk -37dB @ 240MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-UFQFN Supplier Device Package 10-UQFN (2.0x1.5)	Switch Circuit	SPDT
On-State Resistance (Max) 9.5 Ohm Channel-to-Channel Matching (Ron) 100 mOhm Voltage - Supply, Single (V+) 2.3 V ~ 4.8 V Voltage - Supply, Dual (V±) - Switch Time (Ton, Toff) (Max) - -3db Bandwidth 6.1GHz Charge Injection - Channel Capacitance (CS(off), CD(off)) 1.6pF, 1.6pF Current - Leakage (IS(off)) (Max) 2μA Crosstalk -37dB @ 240MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-UFQFN Supplier Device Package 10-UQFN (2.0x1.5)	Multiplexer/Demultiplexer Circuit	2:1
Channel-to-Channel Matching (Ron)100 mOhmVoltage - Supply, Single (V+)2.3 V ~ 4.8 VVoltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)3db Bandwidth6.1GHzCharge Injection-Channel Capacitance (CS(off), CD(off))1.6pF, 1.6pFCurrent - Leakage (IS(off)) (Max)2μACrosstalk-37dB @ 240MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case10-UFQFNSupplier Device Package10-UQFN (2.0x1.5)	Number of Circuits	2
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 10-UQFN (2.0x1.5)	On-State Resistance (Max)	9.5 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 -40°C ~ 85°C (TA) Package / Case 10-UFQFN Supplier Device Package	Channel-to-Channel Matching (Ron)	100 mOhm
Switch Time (Ton, Toff) (Max) -3db Bandwidth 6.1GHz Charge Injection - Channel Capacitance (CS(off), CD(off)) 1.6pF, 1.6pF Current - Leakage (IS(off)) (Max) 2μA Crosstalk -37dB @ 240MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-UFQFN Supplier Device Package	Voltage - Supply, Single (V+)	2.3 V ~ 4.8 V
-3db Bandwidth 6.1GHz Charge Injection - Channel Capacitance (CS(off), CD(off)) 1.6pF, 1.6pF Current - Leakage (IS(off)) (Max) 2μA Crosstalk -37dB @ 240MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-UFQFN Supplier Device Package 10-UQFN (2.0x1.5)	Voltage - Supply, Dual (V±)	-
Charge Injection - Channel Capacitance (CS(off), CD(off)) 1.6pF, 1.6pF Current - Leakage (IS(off)) (Max) 2 μ A Crosstalk -37dB @ 240MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-UFQFN Supplier Device Package 10-UQFN (2.0x1.5)	Switch Time (Ton, Toff) (Max)	-
Channel Capacitance (CS(off), CD(off)) 1.6pF, 1.6pF Current - Leakage (IS(off)) (Max) 2 μ A Crosstalk -37dB @ 240MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-UFQFN Supplier Device Package 10-UQFN (2.0x1.5)	-3db Bandwidth	6.1GHz
Current - Leakage (IS(off)) (Max) $2\mu A$ Crosstalk $-37dB @ 240MHz$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA) Package / Case 10 -UFQFN Supplier Device Package 10 -UQFN (2.0x1.5)	Charge Injection	-
Crosstalk -37dB @ 240MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-UFQFN Supplier Device Package 10-UQFN (2.0x1.5)	Channel Capacitance (CS(off), CD(off))	1.6pF, 1.6pF
Operating Temperature-40°C ~ 85°C (TA)Package / Case10-UFQFNSupplier Device Package10-UQFN (2.0x1.5)	Current - Leakage (IS(off)) (Max)	2μΑ
Package / Case 10-UFQFN Supplier Device Package 10-UQFN (2.0x1.5)	Crosstalk	-37dB @ 240MHz
Supplier Device Package 10-UQFN (2.0x1.5)	Operating Temperature	-40°C ~ 85°C (TA)
	Package / Case	10-UFQFN
Report errors?	Supplier Device Package	10-UQFN (2.0x1.5)
		Report errors?

TMUX136MRSER 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.

TMUX136MRSER Payment Methods





















TMUX136MRSER Shipping Methods













If you have any question about TMUX136MRSER, please do not hesitate to contact us!

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