

74HC4053D Information

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Part Number 74HC4053D

Manufacturer Toshiba Semiconductor and Storage

Category Integrated Circuits (ICs)

Interface - Analog Switches, Multiplexers,

Demultiplexers

Description X34 PB-F 74HC CMOS LOGIC IC SERI

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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74HC4053D Specifications

Manufacturer Part Number 74HC4053D Manufacturer Toshiba Semiconductor and Storage Category Integrated Circuits (ICs) Package 16-SOIC (0.154", 3.90mm Width) Series - Switch Circuit - Multiplexer/Demultiplexer Circuit 2:1 Number of Circuits 3 On-State Resistance (Max) 100 Ohm Channel-to-Channel Matching (Ron) 5 Ohm (Typ) Voltage - Supply, Single (V+) 2 V ~ 6 V Voltage - Supply, Dual (V±) - Switch Time (Ton, Toff) (Max) 38ns, 38ns -3db Bandwidth 200MHz Charge Injection - Channel Capacitance (CS(off), CD(off)) 5pF Current - Leakage (IS(off) (Max) 100nA Crosstalk -50dB @ 1MHz Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	•	
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Multiplexer/Demultiplexer Circuit2:1Number of Circuits3On-State Resistance (Max)100 OhmChannel-to-Channel Matching (Ron)5 Ohm (Typ)Voltage - Supply, Single (V+)2 V ~ 6 VVoltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)38ns, 38ns-3db Bandwidth200MHzCharge Injection-Channel Capacitance (CS(off), CD(off))5pFCurrent - Leakage (IS(off)) (Max)100nACrosstalk-50dB @ 1MHzOperating Temperature-40°C ~ 85°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Series	-
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On-State Resistance (Max) Channel-to-Channel Matching (Ron) Voltage - Supply, Single (V+) 2 V ~ 6 V Voltage - Supply, Dual (V±) - Switch Time (Ton, Toff) (Max) -3db Bandwidth 200MHz Charge Injection - Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk -50dB @ 1MHz Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Multiplexer/Demultiplexer Circuit	2:1
Channel-to-Channel Matching (Ron) Voltage - Supply, Single (V+) 2 V ~ 6 V Voltage - Supply, Dual (V±) Switch Time (Ton, Toff) (Max) -3db Bandwidth 200MHz Charge Injection Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk -50dB @ 1MHz Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Number of Circuits	3
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 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	On-State Resistance (Max)	100 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 Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Channel-to-Channel Matching (Ron)	5 Ohm (Typ)
Switch Time (Ton, Toff) (Max) -3db Bandwidth Charge Injection Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk -50dB @ 1MHz Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Voltage - Supply, Single (V+)	2 V ~ 6 V
-3db Bandwidth 200MHz Charge Injection - Channel Capacitance (CS(off), CD(off)) 5pF Current - Leakage (IS(off)) (Max) 100nA Crosstalk -50dB @ 1MHz Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Voltage - Supply, Dual (V±)	-
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	Switch Time (Ton, Toff) (Max)	38ns, 38ns
Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) 100nA Crosstalk -50dB @ 1MHz Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	-3db Bandwidth	200MHz
Current - Leakage (IS(off)) (Max) Crosstalk Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Charge Injection	-
Crosstalk -50dB @ 1MHz Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Channel Capacitance (CS(off), CD(off))	5pF
Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Current - Leakage (IS(off)) (Max)	100nA
Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Crosstalk	-50dB @ 1MHz
Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 85°C
	Package / Case	16-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

74HC4053D 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.

74HC4053D Payment Methods





















74HC4053D Shipping Methods













If you have any question about 74HC4053D, please do not hesitate to contact us!

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