



#### MC14051BFEL Information



For Reference Only

Part Number MC14051BFEL

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)

Interface - Analog Switches, Multiplexers,

**Demultiplexers** 

**Description** IC MUX/DEMUX 8X1 16SOEIAJ **Package** 16-SOIC (0.209", 5.30mm Width)

For the pricing/inventory/lead time, please contact

us

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



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## **MC14051BFEL Specifications**

Manufacturer Part Number         MC14051BFEL           Manufacturer         ON Semiconductor           Category         Integrated Circuits (ICs)           Interface - Analog Switches, Multiplexers, Demultiplexers           Package         16-SOIC (0.209", 5.30mm Width)           Series         -           Switch Circuit         -           Multiplexer/Demultiplexer Circuit         8:1           Number of Circuits         1           On-State Resistance (Max)         280 Ohm           Channel-to-Channel Matching (Ron)         10 Ohm           Voltage - Supply, Single (V+)         3 V ~ 18 V           Voltage - Supply, Dual (V±)         -           Switch Time (Ton, Toff) (Max)         -           -3db Bandwidth         17MHz           Charge Injection         -           Charge Injection         -           Charge (IS(off), CD(off))         7.5pF           Current - Leakage (IS(off)) (Max)         100nA           Crosstalk         -           Operating Temperature         -55°C ~ 125°C (TA)           Package / Case         16-SOIC (0.209", 5.30mm Width)           Supplier Device Package         16-SOEIAJ	•	
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Switch Circuit  Multiplexer/Demultiplexer Circuit  Number of Circuits  1  On-State Resistance (Max)  Channel-to-Channel Matching (Ron)  Voltage - Supply, Single (V+)  3 V ~ 18 V  Voltage - Supply, Dual (V±)  Switch Time (Ton, Toff) (Max)  -3db Bandwidth  17MHz  Charge Injection  Channel Capacitance (CS(off), CD(off))  Current - Leakage (IS(off)) (Max)  100nA  Crosstalk  Operating Temperature  -55°C ~ 125°C (TA)  Package / Case  16-SOIC (0.209", 5.30mm Width)  Supplier Device Package	Package	16-SOIC (0.209", 5.30mm Width)
Multiplexer/Demultiplexer Circuit8:1Number of Circuits1On-State Resistance (Max)280 OhmChannel-to-Channel Matching (Ron)10 OhmVoltage - Supply, Single (V+)3 V ~ 18 VVoltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)3db Bandwidth17MHzCharge Injection-Channel Capacitance (CS(off), CD(off))7.5pFCurrent - Leakage (IS(off)) (Max)100nACrosstalk-Operating Temperature-55°C ~ 125°C (TA)Package / Case16-SOIC (0.209", 5.30mm Width)Supplier Device Package16-SOEIAJ	Series	-
Number of Circuits  On-State Resistance (Max)  Channel-to-Channel Matching (Ron)  Voltage - Supply, Single (V+)  Voltage - Supply, Dual (V±)  Switch Time (Ton, Toff) (Max)  -3db Bandwidth  17MHz  Charge Injection  Channel Capacitance (CS(off), CD(off))  7.5pF  Current - Leakage (IS(off)) (Max)  Crosstalk  Operating Temperature  -55°C ~ 125°C (TA)  Package / Case  16-SOIC (0.209", 5.30mm Width)  Supplier Device Package	Switch Circuit	-
On-State Resistance (Max) Channel-to-Channel Matching (Ron) Voltage - Supply, Single (V+) 3 V ~ 18 V  Voltage - Supply, Dual (V±) - Switch Time (Ton, Toff) (Max) -3db Bandwidth 17MHz  Charge Injection - Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) 100nA  Crosstalk Operating Temperature -55°C ~ 125°C (TA)  Package / Case 16-SOIC (0.209", 5.30mm Width) Supplier Device Package 16-SOEIAJ	Multiplexer/Demultiplexer Circuit	8:1
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Voltage - Supply, Dual (V±)  Switch Time (Ton, Toff) (Max)  -3db Bandwidth  17MHz  Charge Injection  Channel Capacitance (CS(off), CD(off))  Current - Leakage (IS(off)) (Max)  Crosstalk  Operating Temperature  -55°C ~ 125°C (TA)  Package / Case  16-SOIC (0.209", 5.30mm Width)  Supplier Device Package	Channel-to-Channel Matching (Ron)	10 Ohm
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Channel Capacitance (CS(off), CD(off))  Current - Leakage (IS(off)) (Max)  100nA  Crosstalk  Operating Temperature  -55°C ~ 125°C (TA)  Package / Case  16-SOIC (0.209", 5.30mm Width)  Supplier Device Package  16-SOEIAJ	-3db Bandwidth	17MHz
Current - Leakage (IS(off)) (Max)  Crosstalk  Operating Temperature  -55°C ~ 125°C (TA)  Package / Case  16-SOIC (0.209", 5.30mm Width)  Supplier Device Package  16-SOEIAJ	Charge Injection	-
Crosstalk - Operating Temperature -55°C ~ 125°C (TA)  Package / Case 16-SOIC (0.209", 5.30mm Width)  Supplier Device Package 16-SOEIAJ	Channel Capacitance (CS(off), CD(off))	7.5pF
Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)  Package / Case $16\text{-SOIC}$ (0.209", 5.30mm Width)  Supplier Device Package $16\text{-SOEIAJ}$	Current - Leakage (IS(off)) (Max)	100nA
Package / Case 16-SOIC (0.209", 5.30mm Width) Supplier Device Package 16-SOEIAJ	Crosstalk	-
Supplier Device Package 16-SOEIAJ	Operating Temperature	-55°C ~ 125°C (TA)
	Package / Case	16-SOIC (0.209", 5.30mm Width)
Report errors?	Supplier Device Package	16-SOEIAJ
		Report errors?

#### **MC14051BFEL 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.

### MC14051BFEL Payment Methods



















# MC14051BFEL Shipping Methods













If you have any question about MC14051BFEL, please do not hesitate to contact us!

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