

DG3157ADN-T1-E4

DG3157ADN-T1-E4 Information



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.



DG3157ADN-T1-E4 Specifications

ManufacturerVishay SiliconixCategoryIntegrated Circuits (ICs)Interface - Analog Switches, Multiplexers, DemultiplexersPackage6-UFDFNSeries-Switch CircuitSPDTMultiplexer/Demultiplexer Circuit2:1Number of Circuits1On-State Resistance (Max)15 OhmChannel-to-Channel Matching (Ron)800 mOhmVoltage - Supply, Single (V+).Voltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)25ns, 21ns-3db Bandwidth300MHzChannel Capacitance (So(off), CD(off))7pFCurrent - Leakage (IS(off)) (Max)1µACrosstalk-64dB @ 10MHzOperating Temperature-40°C ~85°C (TA)Package / Case6-UFDFN		
CategoryInterface - Analog Switches, Multiplexers, DemultiplexersPackage6-UFDFNSeries-Switch CircuitSPDTMultiplexer/Demultiplexer Circuit2:1Number of Circuits1On-State Resistance (Max)15 OhmChannel-to-Channel Matching (Ron)800 mOhmVoltage - Supply, Single (V+)-Switch Time (Ton, Toff) (Max)25ns, 21nsSudb Bandwidth300MHzChannel Costoff), CD(off)7pFCurrent - Leakage (IS(off)) (Max)-Costalk-64dB @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-UFDFNSupplier Device Package6-miniQFN	Manufacturer Part Number	DG3157ADN-T1-E4
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Package6-UFDFNSeries-Switch CircuitSPDTMultiplexer/Demultiplexer Circuit2:1Number of Circuits1On-State Resistance (Max)15 OhmChannel-to-Channel Matching (Ron)800 mOhmVoltage - Supply, Single (V+)1.65 V ~ 5.5 VVoltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)25ns, 21ns-3db Bandwidth300MHzChannel Capacitance (CS(off), CD(off))7pFCurrent - Leakage (IS(off)) (Max)1µACrosstalk-64dB @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-UFDFNSupplier Device Package6-miniQFN	Category	Integrated Circuits (ICs)
Series - Switch Circuit SPDT Multiplexer/Demultiplexer Circuit 2:1 Number of Circuits 1 On-State Resistance (Max) 15 Ohm Channel-to-Channel Matching (Ron) 800 mOhm Voltage - Supply, Single (V+) 1.65 V ~ 5.5 V Voltage - Supply, Dual (V±) - Switch Time (Ton, Toff) (Max) 25ns, 21ns -3db Bandwidth 300MHz Channel Capacitance (CS(off), CD(off)) 7PC Current - Leakage (IS(off)) (Max) 1µA Crosstalk -64dB @ 10MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 6-UFDFN Supplier Device Package 6-miniQFN		Interface - Analog Switches, Multiplexers, Demultiplexers
Switch CircuitSPDTMultiplexer/Demultiplexer Circuit2:1Number of Circuits1On-State Resistance (Max)15 OhmChannel-to-Channel Matching (Ron)800 mOhmVoltage - Supply, Single (V+)1.65 V ~ 5.5 VVoltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)25ns, 21nsChannel Capacitance (CS(off), CD(off))7pCChannel Capacitance (CS(off), CD(off))7pFCurrent - Leakage (IS(off)) (Max)-404B @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-utipEFNSupplier Device Package6-miniQFN	Package	6-UFDFN
Multiplexer/Demultiplexer Circuit2:1Number of Circuits1On-State Resistance (Max)15 OhmChannel-to-Channel Matching (Ron)800 mOhmVoltage - Supply, Single (V+)1.65 V ~ 5.5 VVoltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)25ns, 21ns-3db Bandwidth300MHzChannel Capacitance (CS(off), CD(off))7pFCurrent - Leakage (IS(off)) (Max)1µACrosstalk-64dB @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-urinQFNSupplier Device Package6-miniQFN	Series	-
Number of Circuits1On-State Resistance (Max)15 OhmChannel-to-Channel Matching (Ron)800 mOhmVoltage - Supply, Single (V+)1.65 V ~ 5.5 VVoltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)25ns, 21ns-3db Bandwidth300MHzCharge Injection7pCChannel Capacitance (CS(off), CD(off))7pFCurrent - Leakage (IS(off)) (Max)-64dB @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-UFDFNSupplier Device Package6-miniQFN	Switch Circuit	SPDT
On-State Resistance (Max)15 OhmChannel-to-Channel Matching (Ron)800 mOhmVoltage - Supply, Single (V+)1.65 V ~ 5.5 VVoltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)25ns, 21ns-3db Bandwidth300MHzCharge Injection7pCChannel Capacitance (CS(off), CD(off))7pFCurrent - Leakage (IS(off)) (Max)-64dB @ 10MHzOperating Temperature-64dB @ 10MHzOperating Temperature6-UFDFNSupplier Device Package6-miniQFN	Multiplexer/Demultiplexer Circuit	2:1
Channel-to-Channel Matching (Ron)800 mOhmVoltage - Supply, Single (V+)1.65 V ~ 5.5 VVoltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)25ns, 21ns-3db Bandwidth300MHzCharge Injection7pCChannel Capacitance (CS(off), CD(off))7pFCurrent - Leakage (IS(off)) (Max)-64dB @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-UFDFNSupplier Device Package6-miniQFN	Number of Circuits	1
Voltage - Supply, Single (V+)1.65 V ~ 5.5 VVoltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)25ns, 21ns-3db Bandwidth300MHzCharge Injection7pCChannel Capacitance (CS(off), CD(off))7pFCurrent - Leakage (IS(off)) (Max)1µACrosstalk-64dB @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-UFDFNSupplier Device Package6-miniQFN	On-State Resistance (Max)	15 Ohm
Voltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)25ns, 21ns-3db Bandwidth300MHzCharge Injection7pCChannel Capacitance (CS(off), CD(off))7pFCurrent - Leakage (IS(off)) (Max)1µACrosstalk-64dB @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-UFDFNSupplier Device Package6-miniQFN	Channel-to-Channel Matching (Ron)	800 mOhm
Switch Time (Ton, Toff) (Max)25ns, 21ns-3db Bandwidth300MHz-3db Bandwidth7pCCharge Injection7pFChannel Capacitance (CS(off), CD(off))7pFCurrent - Leakage (IS(off)) (Max)1µACrosstalk-64dB @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-UFDFNSupplier Device Package6-miniQFN	Voltage - Supply, Single (V+)	1.65 V ~ 5.5 V
-3db Bandwidth300MHzCharge Injection7pCChannel Capacitance (CS(off), CD(off))7pFCurrent - Leakage (IS(off)) (Max)1μACrosstalk-64dB @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-UFDFNSupplier Device Package6-miniQFN	Voltage - Supply, Dual (V±)	-
Charge Injection7pCChannel Capacitance (CS(off), CD(off))7pFCurrent - Leakage (IS(off)) (Max)1μACrosstalk-64dB @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-UFDFNSupplier Device Package6-miniQFN	Switch Time (Ton, Toff) (Max)	25ns, 21ns
Channel Capacitance (CS(off), CD(off))7pFCurrent - Leakage (IS(off)) (Max)1μACrosstalk-64dB @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-UFDFNSupplier Device Package6-miniQFN	-3db Bandwidth	300MHz
Current - Leakage (IS(off)) (Max)1μACrosstalk-64dB @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-UFDFNSupplier Device Package6-miniQFN	Charge Injection	7pC
Crosstalk-64dB @ 10MHzOperating Temperature-40°C ~ 85°C (TA)Package / Case6-UFDFNSupplier Device Package6-miniQFN	Channel Capacitance (CS(off), CD(off))	7pF
Operating Temperature-40°C ~ 85°C (TA)Package / Case6-UFDFNSupplier Device Package6-miniQFN	Current - Leakage (IS(off)) (Max)	1μΑ
Package / Case6-UFDFNSupplier Device Package6-miniQFN	Crosstalk	-64dB @ 10MHz
Supplier Device Package 6-miniQFN	Operating Temperature	-40°C ~ 85°C (TA)
	Package / Case	6-UFDFN
Report errors?	Supplier Device Package	6-miniQFN
		Report errors?

DG3157ADN-T1-E4 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.

DG3157ADN-T1-E4 Payment Methods



DG3157ADN-T1-E4 Shipping Methods



If you have any question about DG3157ADN-T1-E4, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com