

### **AS1751V-T Information**

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For Reference Only

Part Number AS1751V-T

Manufacturer ams

Category Integrated Circuits (ICs)

Interface - Analog Switches, Multiplexers,

**Demultiplexers** 

**Description** IC SWITCH QUAD SPST 16TQFN

Package 16-WFQFN Exposed Pad

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.









# **AS1751V-T Specifications**

Manufacturer Part NumberAS1751V-TManufactureramsCategoryIntegrated Circuits (ICs)Interface - Analog Switches, Multiplexers, DemultiplexersPackage16-WFQFN Exposed PadSeries-Switch CircuitSPST - NOMultiplexer/Demultiplexer Circuit1:1Number of Circuits4On-State Resistance (Max)900 mOhmChannel-to-Channel Matching (Ron)30 mOhmVoltage - Supply, Single (V+)1.6 V ~ 3.6 VVoltage - Supply, Dual (V±)-Switch Time (Ton, Toff) (Max)22ns, 14ns-3db Bandwidth-Charge Injection2pCChannel Capacitance (CS(off), CD(off))45pF, 45pF
Category  Integrated Circuits (ICs)  Interface - Analog Switches, Multiplexers, Demultiplexers  Package  16-WFQFN Exposed Pad  Series  - Switch Circuit  SPST - NO  Multiplexer/Demultiplexer Circuit  1:1  Number of Circuits  4  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  Integrated Circuits (ICs)  Integrated (
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Package Series - Switch Circuit SPST - NO Multiplexer/Demultiplexer Circuit 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 Charge Injection  16-WFQFN Exposed Pad 1.6-WFQFN Exposed Pad 1.10 SPST - NO 1.11  1.11  1.21  4 0.00 SPST - NO 1.10  4 0.00 SPST - NO 1.10  1.10  4 0.00 SPST - NO 1.10  1.10  4 0.00 SPST - NO 1.10  4 0.00 SPST - NO 1.10  4 0.00 SPST - NO 1.10  1.10  4 0.00 SPST - NO 1.10  1.10  4 0.00 SPST - NO 1.10 SPST - NO 1.1
Series Switch Circuit SPST - NO Multiplexer/Demultiplexer Circuit Number of Circuits 4 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  - SPST - NO 1:1 1:1 Number of Circuits 4 00 mOhm 30 mOhm 1.6 V ~ 3.6 V 2.1 s, 14 s
Switch Circuit  Multiplexer/Demultiplexer Circuit  1:1  Number of Circuits  4  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  SPST - NO  1:1  1:1  1:1  4  4  0n-State Resistance (Max)  900 mOhm  1.6 V ~ 3.6 V  - 2.05
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Number of Circuits4On-State Resistance (Max)900 mOhmChannel-to-Channel Matching (Ron)30 mOhmVoltage - Supply, Single (V+) $1.6 \text{ V} \sim 3.6 \text{ V}$ Voltage - Supply, Dual (V $\pm$ )-Switch Time (Ton, Toff) (Max) $22\text{ns}$ , $14\text{ns}$ -3db Bandwidth-Charge Injection $2pC$
$\begin{array}{llllllllllllllllllllllllllllllllllll$
Channel-to-Channel Matching (Ron) 30 mOhm  Voltage - Supply, Single (V+) 1.6 V $\sim$ 3.6 V  Voltage - Supply, Dual (V±) -  Switch Time (Ton, Toff) (Max) 22ns, 14ns  -3db Bandwidth -  Charge Injection 2pC
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Voltage - Supply, Dual (V±)  Switch Time (Ton, Toff) (Max)  -3db Bandwidth  Charge Injection  2pC
Switch Time (Ton, Toff) (Max)  -3db Bandwidth  Charge Injection  22ns, 14ns  - 2pC
-3db Bandwidth - Charge Injection 2pC
Charge Injection 2pC
Channel Canacitance (CS(off), CD(off))  A5nE A5nE
Channel Capacitance (CS(off), CD(off)) 45pF, 45pF
Current - Leakage (IS(off)) (Max) 2.5nA
Crosstalk -80dB @ 1MHz
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
Package / Case 16-WFQFN Exposed Pad
Supplier Device Package 16-TQFN (3x3)
Report errors'

### **AS1751V-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.

# **AS1751V-T Payment Methods**





















### **AS1751V-T Shipping Methods**













If you have any question about AS1751V-T, please do not hesitate to contact us!

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