

AS1745G-T Information

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For Reference Only

Part Number AS1745G-T

Manufacturer ams

Category Integrated Circuits (ICs)

Interface - Analog Switches, Multiplexers,

Demultiplexers

Description IC SWITCH DUAL SPDT 10-MSOP

Package 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)

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.









AS1745G-T Specifications

Manufacturer Part Number AS1745G-T Manufacturer ams Category Integrated Circuits (ICs) Interface - Analog Switches, Multiplexers, Demultiplexers Package 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Series - Switch Circuit SPDT Multiplexer/Demultiplexer Circuit 2:1 Number of Circuits 2 On-State Resistance (Max) 4 0hm Channel-to-Channel Matching (Ron) 100 mOhm Voltage - Supply, Single (V+) 1.8 V ~ 5.5 V Voltage - Supply, Dual (V±) - Switch Time (Ton, Toff) (Max) 17ns, 6ns -3db Bandwidth - Charge Injection 7pC Channel Capacitance (CS(off), CD(off)) 20pF Current - Leakage (IS(off)) (Max) 100pA Crosstalk -90dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	-	
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On-State Resistance (Max) Channel-to-Channel Matching (Ron) 100 mOhm Voltage - Supply, Single (V+) 1.8 V ~ 5.5 V Voltage - Supply, Dual (V±) - Switch Time (Ton, Toff) (Max) 17ns, 6ns -3db Bandwidth - Charge Injection 7pC Channel Capacitance (CS(off), CD(off)) 20pF Current - Leakage (IS(off)) (Max) 100pA Crosstalk -90dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package	Multiplexer/Demultiplexer Circuit	2:1
Channel-to-Channel Matching (Ron) Voltage - Supply, Single (V+) 1.8 V ~ 5.5 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 -90dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package	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 -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package	On-State Resistance (Max)	4 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-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package	Channel-to-Channel Matching (Ron)	100 mOhm
Switch Time (Ton, Toff) (Max) -3db Bandwidth -Charge Injection Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk -90dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package	Voltage - Supply, Single (V+)	1.8 V ~ 5.5 V
-3db Bandwidth - Charge Injection 7pC Channel Capacitance (CS(off), CD(off)) 20pF Current - Leakage (IS(off)) (Max) 100pA Crosstalk -90dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Voltage - Supply, Dual (V±)	-
Charge Injection 7pC Channel Capacitance (CS(off), CD(off)) 20pF Current - Leakage (IS(off)) (Max) 100pA Crosstalk -90dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Switch Time (Ton, Toff) (Max)	17ns, 6ns
Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) 100pA Crosstalk -90dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package	-3db Bandwidth	-
Current - Leakage (IS(off)) (Max) Crosstalk -90dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Charge Injection	7pC
Crosstalk -90dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Channel Capacitance (CS(off), CD(off))	20pF
Operating Temperature -40°C ~ 85°C (TA) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Current - Leakage (IS(off)) (Max)	100pA
Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Crosstalk	-90dB @ 1MHz
Supplier Device Package 10-MSOP	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
	Package / Case	10-TFSOP, 10-MSOP (0.118", 3.00mm Width)
Report errors?	Supplier Device Package	10-MSOP
		Report errors?

AS1745G-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.

AS1745G-T Payment Methods



















AS1745G-T Shipping Methods













If you have any question about AS1745G-T, please do not hesitate to contact us!

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