



VCA822IDGSR Information



For Reference Only

Part Number VCA822IDGSR

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

Buffer Amps

Description IC OPAMP VGA 168MHZ 10VSSOP

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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VCA822IDGSR Specifications

Manufacturer Part Number VCA822IDGSR Manufacturer Texas Instruments Category Integrated Circuits (ICs) Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps Package 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Series - Amplifier Type Variable Gain Number of Circuits 1 Output Type - Slew Rate 1700 V/μs Gain Bandwidth Product - -3db Bandwidth 168MHz Current - Input Bias 19μA Voltage - Input Offset 4mV Current - Supply 36mA Current - Output / Channel 160mA Voltage - Supply, Single/Dual (±) ±3.5 V ~ 6 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)		
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Series - Amplifier Type Variable Gain Number of Circuits 1 Output Type - Slew Rate 1700 V/ μ s Gain Bandwidth Product		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type Variable Gain Number of Circuits 1 Output Type - Slew Rate 1700 V/ μ s Gain Bandwidth Product3db Bandwidth 168MHz Current - Input Bias 19 μ A Voltage - Input Offset 4mV Current - Supply 36mA Current - Output / Channel 160mA Voltage - Supply, Single/Dual (\pm) \pm 3.5 V \sim 6 V Operating Temperature -40°C \sim 85°C Mounting Type Surface Mount Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)	Package	10-TFSOP, 10-MSOP (0.118", 3.00mm Width)
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Output Type Slew Rate 1700 V/μs Gain Bandwidth Product -3db Bandwidth 168MHz Current - Input Bias 19μA Voltage - Input Offset 4mV Current - Supply 36mA Current - Output / Channel Voltage - Supply, Single/Dual (±) 43.5 V ~ 6 V Operating Temperature 40°C ~ 85°C Mounting Type Surface Mount Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)	Amplifier Type	Variable Gain
Slew Rate $ 1700 \text{ V/}\mu\text{s} $ Gain Bandwidth Product $ -3 \text{db Bandwidth} $ $ 168 \text{MHz} $ Current - Input Bias $ 19 \mu\text{A} $ Voltage - Input Offset $ 4 \text{mV} $ Current - Supply $ 36 \text{mA} $ Current - Output / Channel $ 160 \text{mA} $ Voltage - Supply, Single/Dual (\pm) $ \pm 3.5 \text{ V} \sim 6 \text{ V} $ Operating Temperature $ -40^{\circ}\text{C} \sim 85^{\circ}\text{C} $ Mounting Type $ \text{Surface Mount} $ Package / Case $ 10\text{-TFSOP, } 10\text{-MSOP } (0.118'', 3.00 \text{mm Width}) $	Number of Circuits	1
Gain Bandwidth Product -3db Bandwidth 168MHz Current - Input Bias 19 μ A Voltage - Input Offset 4mV Current - Supply 36mA Current - Output / Channel 160mA Voltage - Supply, Single/Dual (\pm) 0perating Temperature 40°C ~ 85°C Mounting Type Surface Mount Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)	Output Type	-
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Slew Rate	1700 V/μs
Current - Input Bias $19\mu A$ Voltage - Input Offset $4mV$ Current - Supply $36mA$ Current - Output / Channel $160mA$ Voltage - Supply, Single/Dual (\pm) $\pm 3.5 \ V \sim 6 \ V$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Mounting Type $Surface \ Mount$ Package / Case $10\text{-TFSOP}, 10\text{-MSOP} (0.118", 3.00mm \ Width)$	Gain Bandwidth Product	-
Voltage - Input Offset	-3db Bandwidth	168MHz
Current - Supply 36mA Current - Output / Channel 160mA Voltage - Supply, Single/Dual (±) 43.5 V ~ 6 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)	Current - Input Bias	19μΑ
Current - Output / Channel 160mA Voltage - Supply, Single/Dual (±) $\pm 3.5 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case 10-TFSOP , 10-MSOP (0.118" , 3.00mm Width)	Voltage - Input Offset	4mV
Voltage - Supply, Single/Dual (\pm) $\pm 3.5 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)	Current - Supply	36mA
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)	Current - Output / Channel	160mA
Mounting Type Surface Mount Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)	Voltage - Supply, Single/Dual (±)	±3.5 V ~ 6 V
Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)	Operating Temperature	-40°C ~ 85°C
	Mounting Type	Surface Mount
	Package / Case	10-TFSOP, 10-MSOP (0.118", 3.00mm Width)
Supplier Device Package 10-VSSOP	Supplier Device Package	10-VSSOP
Report error		Report errors?

VCA822IDGSR 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.

VCA822IDGSR Payment Methods



















VCA822IDGSR Shipping Methods













If you have any question about VCA822IDGSR, please do not hesitate to contact us!

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