



OPA1642AIDR Information



For Reference Only

Part Number OPA1642AIDR

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

Buffer Amps

Description IC OPAMP AUDIO 11MHZ RRO 8SOIC

Package 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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OPA1642AIDR Specifications

Manufacturer Part Number OPA1642AIDR Manufacturer Texas Instruments Category Integrated Circuits (ICs) Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps Package 8-SOIC (0.154", 3.90mm Width) Series SoundPlus? Amplifier Type Audio Number of Circuits 2 Output Type Rail-to-Rail Slew Rate 20 V/μs Gain Bandwidth Product 11MHz -3db Bandwidth - Current - Input Bias 2pA Voltage - Input Offset 1mV Current - Supply 1.8mA Current - Output / Channel 36mA Voltage - Supply, Single/Dual (±) 4.5 V ~ 36 V, ±2.25 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC		
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Slew Rate Gain Bandwidth Product -3db Bandwidth - Current - Input Bias Voltage - Input Offset 1mV Current - Supply 1.8mA Current - Output / Channel Voltage - Supply, Single/Dual (±) Operating Temperature 4.5 V ~ 36 V, ±2.25 V ~ 18 V Operating Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Number of Circuits	2
Gain Bandwidth Product -3db Bandwidth - Current - Input Bias 2pA Voltage - Input Offset 1mV Current - Supply 1.8mA Current - Output / Channel Voltage - Supply, Single/Dual (±) 4.5 V ~ 36 V, ±2.25 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Output Type	Rail-to-Rail
-3db Bandwidth - Current - Input Bias 2pA Voltage - Input Offset 1mV Current - Supply 1.8mA Current - Output / Channel 36mA Voltage - Supply, Single/Dual (±) 4.5 V ~ 36 V, ±2.25 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Slew Rate	$20 \text{ V/}\mu\text{s}$
Current - Input Bias 2pA Voltage - Input Offset 1mV Current - Supply 1.8mA Current - Output / Channel 36mA Voltage - Supply, Single/Dual (±) 4.5 V ~ 36 V, ±2.25 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Gain Bandwidth Product	11MHz
Voltage - Input Offset Current - Supply 1.8mA Current - Output / Channel 36mA Voltage - Supply, Single/Dual (±) 4.5 V ~ 36 V, ±2.25 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	-3db Bandwidth	-
Current - Supply 1.8mA Current - Output / Channel 36mA Voltage - Supply, Single/Dual (±) 4.5 V ~ 36 V, ±2.25 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Current - Input Bias	2pA
Current - Output / Channel 36mA Voltage - Supply, Single/Dual (±) 4.5 V ~ 36 V, ±2.25 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Voltage - Input Offset	1mV
Voltage - Supply, Single/Dual (\pm) 4.5 V ~ 36 V, \pm 2.25 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Current - Supply	1.8mA
Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Current - Output / Channel	36mA
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Voltage - Supply, Single/Dual (±)	4.5 V ~ 36 V, ±2.25 V ~ 18 V
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 8-SOIC	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
	Supplier Device Package	8-SOIC
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Quality Guarantees

We provide 90 days warranty. *

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Service Guarantees

We guarantee 100% customer satisfaction.

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